284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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LAB CHRONICLE

OrderID:	P4770	**OrderDate:**	11/7/2024 3:07:00 PM
Client:	M2 Associates	**Project:**	143 Red Lion Rd Southampton Twp, NJ
Contact:	Matt Mulhall	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4770-01	**MW-1**	**Water**			**11/07/24**			**11/07/24**
			VOCMS Group2	8260-Low			11/20/24	
P4770-02	**MW-3**	**Water**			**11/07/24**			**11/07/24**
			VOCMS Group2	8260-Low			11/19/24	
P4770-03	**MW-10**	**Water**			**11/07/24**			**11/07/24**
			VOCMS Group2	8260-Low			11/14/24	
P4770-04	**FIELD-BLANK**	**Water**			**11/07/24**			**11/07/24**
			VOCMS Group2	8260-Low			11/13/24	
P4770-05	**TRIP-BLANK**	**Water**			**11/07/24**			**11/07/24**
			VOCMS Group2	8260-Low			11/13/24	

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Hit Summary Sheet
SW-846

SDG No.: P4770

Client: M2 Associates

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-1**							
P4770-01	MW-1	Water	Methylcyclohexane	150	J	95.0	500	ug/L
P4770-01	MW-1	Water	Benzene	390	J	80.0	500	ug/L
P4770-01	MW-1	Water	Toluene	10200		90.0	500	ug/L
P4770-01	MW-1	Water	Ethyl Benzene	3700		80.0	500	ug/L
P4770-01	MW-1	Water	m/p-Xylenes	17500		160	1000	ug/L
P4770-01	MW-1	Water	o-Xylene	8300		70.0	500	ug/L
P4770-01	MW-1	Water	Isopropylbenzene	1300		65.0	500	ug/L
P4770-01	MW-1	Water	1,3-Dichlorobenzene	240	J	120	500	ug/L
P4770-01	MW-1	Water	1,2-Dichlorobenzene	230	J	95.0	500	ug/L
P4770-01	MW-1	Water	1,2,4-Trichlorobenzene	400	J	210	500	ug/L
P4770-01	MW-1	Water	1,2,3-Trichlorobenzene	420	J	260	500	ug/L
			Total Voc :	42800				
			Total Concentration:	42800				
Client ID:	**MW-3**							
P4770-02	MW-3	Water	Methylcyclohexane	420	J	95.0	500	ug/L
P4770-02	MW-3	Water	Benzene	400	J	80.0	500	ug/L
P4770-02	MW-3	Water	Toluene	25300		90.0	500	ug/L
P4770-02	MW-3	Water	Ethyl Benzene	5700		80.0	500	ug/L
P4770-02	MW-3	Water	m/p-Xylenes	18100		160	1000	ug/L
P4770-02	MW-3	Water	o-Xylene	6600		70.0	500	ug/L
P4770-02	MW-3	Water	Isopropylbenzene	1500		65.0	500	ug/L
			Total Voc :	58000				
			Total Concentration:	58000				
Client ID:	**MW-10**							
P4770-03	MW-10	Water	Toluene	140	J	90.0	500	ug/L
P4770-03	MW-10	Water	m/p-Xylenes	270	J	160	1000	ug/L
			Total Voc :	410				
			Total Concentration:	410				

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4770-01	MW-1	1,2-Dichloroethane-d4	50	51.8	104	70 (74)	130 (125)
		Dibromofluoromethane	50	48.1	96	70 (75)	130 (124)
		Toluene-d8	50	46.3	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)
P4770-02	MW-3	1,2-Dichloroethane-d4	50	50.0	100	70 (74)	130 (125)
		Dibromofluoromethane	50	47.9	96	70 (75)	130 (124)
		Toluene-d8	50	47.5	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.3	101	70 (77)	130 (121)
P4770-03	MW-10	1,2-Dichloroethane-d4	50	48.3	97	70 (74)	130 (125)
		Dibromofluoromethane	50	46.9	94	70 (75)	130 (124)
		Toluene-d8	50	46.2	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.3	97	70 (77)	130 (121)
P4770-04	FIELD-BLANK	1,2-Dichloroethane-d4	50	48.7	97	70 (74)	130 (125)
		Dibromofluoromethane	50	48.6	97	70 (75)	130 (124)
		Toluene-d8	50	46.4	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.9	96	70 (77)	130 (121)
P4770-05	TRIP-BLANK	1,2-Dichloroethane-d4	50	48.3	97	70 (74)	130 (125)
		Dibromofluoromethane	50	49.8	100	70 (75)	130 (124)
		Toluene-d8	50	47.1	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.0	92	70 (77)	130 (121)
VN1113WBL01	VN1113WBL01	1,2-Dichloroethane-d4	50	49.5	99	70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100	70 (75)	130 (124)
		Toluene-d8	50	46.6	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.8	92	70 (77)	130 (121)
VN1113WBS01	VN1113WBS01	1,2-Dichloroethane-d4	50	46.4	93	70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100	70 (75)	130 (124)
		Toluene-d8	50	49.2	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)
VN1113WBSD0	VN1113WBSD01	1,2-Dichloroethane-d4	50	45.4	91	70 (74)	130 (125)
		Dibromofluoromethane	50	48.6	97	70 (75)	130 (124)
		Toluene-d8	50	47.8	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.0	102	70 (77)	130 (121)
VN1114WBL01	VN1114WBL01	1,2-Dichloroethane-d4	50	51.0	102	70 (74)	130 (125)
		Dibromofluoromethane	50	52.0	104	70 (75)	130 (124)
		Toluene-d8	50	46.3	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.0	94	70 (77)	130 (121)
VN1114WBS02	VN1114WBS02	1,2-Dichloroethane-d4	50	46.6	93	70 (74)	130 (125)
		Dibromofluoromethane	50	50.8	102	70 (75)	130 (124)
		Toluene-d8	50	49.0	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.6	99	70 (77)	130 (121)
VN1119WBL01	VN1119WBL01	1,2-Dichloroethane-d4	50	51.3	103	70 (74)	130 (125)
		Dibromofluoromethane	50	48.4	97	70 (75)	130 (124)
		Toluene-d8	50	46.5	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.9	92	70 (77)	130 (121)
VN1119WBS01	VN1119WBS01	1,2-Dichloroethane-d4	50	47.8	96	70 (74)	130 (125)
		Dibromofluoromethane	50	46.5	93	70 (75)	130 (124)
		Toluene-d8	50	45.6	91	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.2	96	70 (77)	130 (121)
VN1120WBL01	VN1120WBL01	1,2-Dichloroethane-d4	50	51.1	102	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)

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Surrogate Summary

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1120WBL01	VN1120WBL01	Toluene-d8	50	46.1	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.4	93	70 (77)	130 (121)
VN1120WBS02	VN1120WBS02	1,2-Dichloroethane-d4	50	46.9	94	70 (74)	130 (125)
		Dibromofluoromethane	50	48.3	97	70 (75)	130 (124)
		Toluene-d8	50	44.9	90	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.2	96	70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084822.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1113WBS01	Dichlorodifluoromethane	20	17.7	ug/L	89			40 (69)	160 (116)	
	Chloromethane	20	15.0	ug/L	75			40 (65)	160 (116)	
	Vinyl chloride	20	20.1	ug/L	101			70 (65)	130 (117)	
	Bromomethane	20	19.6	ug/L	98			40 (58)	160 (125)	
	Chloroethane	20	20.9	ug/L	104			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.3	ug/L	92			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92			70 (80)	130 (112)	
	Tert butyl alcohol	100	88.1	ug/L	88			70 (73)	130 (124)	
	1,1-Dichloroethene	20	17.5	ug/L	88			70 (74)	130 (110)	
	Acetone	100	89.8	ug/L	90			40 (60)	160 (125)	
	Carbon disulfide	20	15.6	ug/L	78			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			70 (78)	130 (114)	
	Methyl Acetate	20	13.3	ug/L	67		*	70 (67)	130 (125)	
	Methylene Chloride	20	17.5	ug/L	88			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.5	ug/L	88			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.0	ug/L	90			70 (78)	130 (112)	
	Cyclohexane	20	18.1	ug/L	91			70 (75)	130 (110)	
	2-Butanone	100	91.6	ug/L	92			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.1	ug/L	101			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.3	ug/L	92			70 (77)	130 (110)	
	Bromochloromethane	20	20.9	ug/L	104			70 (70)	130 (124)	
	Chloroform	20	18.9	ug/L	95			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.9	ug/L	95			70 (80)	130 (108)	
	Methylcyclohexane	20	19.8	ug/L	99			70 (72)	130 (115)	
	Benzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.0	ug/L	95			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.3	ug/L	97			70 (83)	130 (111)	
	Bromodichloromethane	20	19.3	ug/L	97			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	98.0	ug/L	98			40 (74)	160 (118)	
	Toluene	20	20.0	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.2	ug/L	91			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.2	ug/L	96			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			70 (83)	130 (112)	
	2-Hexanone	100	99.3	ug/L	99			40 (73)	160 (117)	
	Dibromochloromethane	20	19.6	ug/L	98			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.1	ug/L	96			70 (81)	130 (110)	
	Tetrachloroethene	20	20.6	ug/L	103			70 (67)	130 (123)	
	Chlorobenzene	20	18.9	ug/L	95			70 (82)	130 (109)	
	Ethyl Benzene	20	19.7	ug/L	99			70 (83)	130 (109)	
	m/p-Xylenes	40	39.9	ug/L	100			70 (82)	130 (110)	
	o-Xylene	20	20.9	ug/L	104			70 (83)	130 (109)	
	Styrene	20	19.8	ug/L	99			70 (80)	130 (111)	
	Bromoform	20	19.5	ug/L	98			70 (79)	130 (109)	
	Isopropylbenzene	20	19.1	ug/L	96			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	16.9	ug/L	85			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			70 (82)	130 (107)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084822.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1113WBS01	1,2-Dichlorobenzene	20	17.8	ug/L	89			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	16.2	ug/L	81			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	16.1	ug/L	81			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	15.7	ug/L	79			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084823.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1113WBSD01	Dichlorodifluoromethane	20	20.5	ug/L	103	15		40 (69)	160 (116)	20 (20)
	Chloromethane	20	17.0	ug/L	85	13		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	21.9	ug/L	110	9		70 (65)	130 (117)	20 (20)
	Bromomethane	20	21.4	ug/L	107	9		40 (58)	160 (125)	20 (20)
	Chloroethane	20	22.6	ug/L	113	8		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	20.9	ug/L	104	12		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/L	106	14		70 (80)	130 (112)	20 (20)
	Tert butyl alcohol	100	100	ug/L	100	13		70 (73)	130 (124)	20 (20)
	1,1-Dichloroethene	20	19.8	ug/L	99	12		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	11		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.2	ug/L	91	15		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	21.4	ug/L	107	13		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	16.3	ug/L	81	19		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.5	ug/L	103	16		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	20.1	ug/L	101	14		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.1	ug/L	101	12		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.4	ug/L	102	11		70 (75)	130 (110)	20 (20)
	2-Butanone	100	100	ug/L	100	8		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	21.9	ug/L	110	9		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	20.5	ug/L	103	11		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	20.9	ug/L	104	0		70 (70)	130 (124)	20 (20)
	Chloroform	20	21.5	ug/L	108	13		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	21.0	ug/L	105	10		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	21.8	ug/L	109	10		70 (72)	130 (115)	20 (20)
	Benzene	20	20.7	ug/L	104	11		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	21.5	ug/L	108	13		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	22.3	ug/L	112	15		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	21.0	ug/L	105	8		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	21.4	ug/L	107	10		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	12		40 (74)	160 (118)	20 (20)
	Toluene	20	21.4	ug/L	107	7		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	20.5	ug/L	103	12		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	21.0	ug/L	105	9		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	21.2	ug/L	106	8		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	11		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	23.0	ug/L	115	16		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.8	ug/L	104	8		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	22.0	ug/L	110	7		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	20.5	ug/L	103	8		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	21.0	ug/L	105	6		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	42.9	ug/L	107	7		70 (82)	130 (110)	20 (20)
	o-Xylene	20	22.0	ug/L	110	6		70 (83)	130 (109)	20 (20)
	Styrene	20	21.5	ug/L	108	9		70 (80)	130 (111)	20 (20)
	Bromoform	20	21.7	ug/L	109	11		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.9	ug/L	100	4		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94	7		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	18.4	ug/L	92	8		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.7	ug/L	99	6		70 (82)	130 (107)	20 (20)

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084823.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1113WBSD01	1,2-Dichlorobenzene	20	18.6	ug/L	93	4		70 (82)	130 (109)	20 (20)
	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96	17		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89	9		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86	8		70 (76)	130 (114)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084846.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1114WBS02	Dichlorodifluoromethane	20	19.4	ug/L	97			40 (69)	160 (116)	
	Chloromethane	20	16.3	ug/L	81			40 (65)	160 (116)	
	Vinyl chloride	20	21.6	ug/L	108			70 (65)	130 (117)	
	Bromomethane	20	20.5	ug/L	103			40 (58)	160 (125)	
	Chloroethane	20	21.5	ug/L	108			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.9	ug/L	100			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104			70 (80)	130 (112)	
	Tert butyl alcohol	100	97.9	ug/L	98			70 (73)	130 (124)	
	1,1-Dichloroethene	20	18.8	ug/L	94			70 (74)	130 (110)	
	Acetone	100	100	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	17.3	ug/L	86			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.4	ug/L	102			70 (78)	130 (114)	
	Methyl Acetate	20	15.1	ug/L	76			70 (67)	130 (125)	
	Methylene Chloride	20	19.1	ug/L	96			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.2	ug/L	101			70 (78)	130 (112)	
	Cyclohexane	20	19.1	ug/L	96			70 (75)	130 (110)	
	2-Butanone	100	98.4	ug/L	98			40 (65)	160 (122)	
	Carbon Tetrachloride	20	22.2	ug/L	111			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			70 (77)	130 (110)	
	Bromochloromethane	20	20.5	ug/L	103			70 (70)	130 (124)	
	Chloroform	20	20.2	ug/L	101			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			70 (80)	130 (108)	
	Methylcyclohexane	20	22.5	ug/L	113			70 (72)	130 (115)	
	Benzene	20	20.6	ug/L	103			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.7	ug/L	104			70 (80)	130 (115)	
	Trichloroethene	20	21.2	ug/L	106			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.0	ug/L	105			70 (83)	130 (111)	
	Bromodichloromethane	20	20.5	ug/L	103			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	21.6	ug/L	108			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.5	ug/L	103			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.9	ug/L	104			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.6	ug/L	108			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	21.6	ug/L	108			70 (82)	130 (110)	
	1,2-Dibromoethane	20	21.1	ug/L	106			70 (81)	130 (110)	
	Tetrachloroethene	20	22.2	ug/L	111			70 (67)	130 (123)	
	Chlorobenzene	20	21.1	ug/L	106			70 (82)	130 (109)	
	Ethyl Benzene	20	21.4	ug/L	107			70 (83)	130 (109)	
	m/p-Xylenes	40	43.2	ug/L	108			70 (82)	130 (110)	
	o-Xylene	20	22.6	ug/L	113			70 (83)	130 (109)	
	Styrene	20	22.0	ug/L	110			70 (80)	130 (111)	
	Bromoform	20	20.9	ug/L	104			70 (79)	130 (109)	
	Isopropylbenzene	20	21.3	ug/L	106			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.2	ug/L	96			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	20.3	ug/L	102			70 (82)	130 (107)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084846.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1114WBS02	1,2-Dichlorobenzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	18.0	ug/L	90			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.6	ug/L	93			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084938.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1119WBS01	Dichlorodifluoromethane	20	18.8	ug/L	94			40 (69)	160 (116)	
	Chloromethane	20	16.8	ug/L	84			40 (65)	160 (116)	
	Vinyl chloride	20	19.4	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	18.8	ug/L	94			40 (58)	160 (125)	
	Chloroethane	20	19.9	ug/L	100			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.8	ug/L	99			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104			70 (80)	130 (112)	
	Tert butyl alcohol	100	120	ug/L	120			70 (73)	130 (124)	
	1,1-Dichloroethene	20	18.9	ug/L	95			70 (74)	130 (110)	
	Acetone	100	120	ug/L	120			40 (60)	160 (125)	
	Carbon disulfide	20	16.3	ug/L	81			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	18.6	ug/L	93			70 (67)	130 (125)	
	Methylene Chloride	20	19.3	ug/L	97			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.1	ug/L	101			70 (78)	130 (112)	
	Cyclohexane	20	19.1	ug/L	96			70 (75)	130 (110)	
	2-Butanone	100	120	ug/L	120			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.5	ug/L	98			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			70 (77)	130 (110)	
	Bromochloromethane	20	23.3	ug/L	117			70 (70)	130 (124)	
	Chloroform	20	20.7	ug/L	104			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			70 (80)	130 (108)	
	Methylcyclohexane	20	19.5	ug/L	98			70 (72)	130 (115)	
	Benzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.1	ug/L	106			70 (80)	130 (115)	
	Trichloroethene	20	18.7	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.9	ug/L	100			70 (83)	130 (111)	
	Bromodichloromethane	20	20.1	ug/L	101			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	20.6	ug/L	103			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.8	ug/L	99			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.8	ug/L	104			70 (83)	130 (112)	
	2-Hexanone	100	120	ug/L	120			40 (73)	160 (117)	
	Dibromochloromethane	20	20.0	ug/L	100			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.9	ug/L	100			70 (81)	130 (110)	
	Tetrachloroethene	20	19.2	ug/L	96			70 (67)	130 (123)	
	Chlorobenzene	20	18.9	ug/L	95			70 (82)	130 (109)	
	Ethyl Benzene	20	19.4	ug/L	97			70 (83)	130 (109)	
	m/p-Xylenes	40	40.1	ug/L	100			70 (82)	130 (110)	
	o-Xylene	20	20.6	ug/L	103			70 (83)	130 (109)	
	Styrene	20	19.4	ug/L	97			70 (80)	130 (111)	
	Bromoform	20	20.3	ug/L	102			70 (79)	130 (109)	
	Isopropylbenzene	20	18.9	ug/L	95			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	16.7	ug/L	84			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.5	ug/L	88			70 (82)	130 (107)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084938.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1119WBS01	1,2-Dichlorobenzene	20	16.9	ug/L	85			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	15.0	ug/L	75			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	14.8	ug/L	74			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1120WBS02	Dichlorodifluoromethane	20	20.6	ug/L	103			40 (69)	160 (116)	
	Chloromethane	20	17.8	ug/L	89			40 (65)	160 (116)	
	Vinyl chloride	20	19.3	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	20.1	ug/L	101			40 (58)	160 (125)	
	Chloroethane	20	19.2	ug/L	96			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.8	ug/L	99			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70 (80)	130 (112)	
	Tert butyl alcohol	100	120	ug/L	120			70 (73)	130 (124)	
	1,1-Dichloroethene	20	19.0	ug/L	95			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	17.8	ug/L	89			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	21.8	ug/L	109			70 (78)	130 (114)	
	Methyl Acetate	20	19.7	ug/L	99			70 (67)	130 (125)	
	Methylene Chloride	20	20.2	ug/L	101			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.2	ug/L	96			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.8	ug/L	99			70 (78)	130 (112)	
	Cyclohexane	20	18.8	ug/L	94			70 (75)	130 (110)	
	2-Butanone	100	120	ug/L	120			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.8	ug/L	104			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			70 (77)	130 (110)	
	Bromochloromethane	20	21.8	ug/L	109			70 (70)	130 (124)	
	Chloroform	20	20.6	ug/L	103			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			70 (80)	130 (108)	
	Methylcyclohexane	20	20.6	ug/L	103			70 (72)	130 (115)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.4	ug/L	107			70 (80)	130 (115)	
	Trichloroethene	20	19.6	ug/L	98			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.7	ug/L	104			70 (83)	130 (111)	
	Bromodichloromethane	20	20.2	ug/L	101			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	130	ug/L	130			40 (74)	160 (118)	
	Toluene	20	20.7	ug/L	104			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.4	ug/L	97			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			70 (83)	130 (112)	
	2-Hexanone	100	130	ug/L	130			40 (73)	160 (117)	
	Dibromochloromethane	20	21.5	ug/L	108			70 (82)	130 (110)	
	1,2-Dibromoethane	20	21.3	ug/L	106			70 (81)	130 (110)	
	Tetrachloroethene	20	19.7	ug/L	99			70 (67)	130 (123)	
	Chlorobenzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	Ethyl Benzene	20	19.6	ug/L	98			70 (83)	130 (109)	
	m/p-Xylenes	40	39.3	ug/L	98			70 (82)	130 (110)	
	o-Xylene	20	20.7	ug/L	104			70 (83)	130 (109)	
	Styrene	20	20.2	ug/L	101			70 (80)	130 (111)	
	Bromoform	20	20.0	ug/L	100			70 (79)	130 (109)	
	Isopropylbenzene	20	19.3	ug/L	97			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.5	ug/L	88			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (107)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1120WBS02	1,2-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	20.6	ug/L	103			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	16.0	ug/L	80			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	16.5	ug/L	83			70 (76)	130 (114)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1113WBL01

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084817.D Lab Sample ID: VN1113WBL01

Date Analyzed: 11/13/2024 Time Analyzed: 10:50

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1113WBS01	VN1113WBS01	VN084822.D	11/13/2024
VN1113WBSD01	VN1113WBSD01	VN084823.D	11/13/2024
FIELD-BLANK	P4770-04	VN084830.D	11/13/2024
TRIP-BLANK	P4770-05	VN084832.D	11/13/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1114WBL01

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084844.D Lab Sample ID: VN1114WBL01

Date Analyzed: 11/14/2024 Time Analyzed: 10:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1114WBS02	VN1114WBS02	VN084846.D	11/14/2024
MW-10	P4770-03	VN084863.D	11/14/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1119WBL01

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084937.D Lab Sample ID: VN1119WBL01

Date Analyzed: 11/19/2024 Time Analyzed: 11:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1119WBS01	VN1119WBS01	VN084938.D	11/19/2024
MW-3	P4770-02	VN084941.D	11/19/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1120WBL01

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084962.D Lab Sample ID: VN1120WBL01

Date Analyzed: 11/20/2024 Time Analyzed: 12:21

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1120WBS02	VN1120WBS02	VN084964.D	11/20/2024
MW-1	P4770-01	VN084983.D	11/20/2024

COMMENTS:

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

Raw Data: **VN084814.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084814.D BFB Injection Date: 11/13/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:53

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.2
75	30.0 - 60.0% of mass 95	50.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	76.3
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	75.8 (99.3) 1
177	5.0 - 9.0% of mass 176	5 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084815.D	11/13/2024	09:52
VN1113WBL01	VN1113WBL01	VN084817.D	11/13/2024	10:50
VN1113WBS01	VN1113WBS01	VN084822.D	11/13/2024	13:24
VN1113WBSD01	VN1113WBSD01	VN084823.D	11/13/2024	14:00
FIELD-BLANK	P4770-04	VN084830.D	11/13/2024	16:47
TRIP-BLANK	P4770-05	VN084832.D	11/13/2024	17:35

Raw Data: **VN084841.D**

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084841.D BFB Injection Date: 11/14/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:53

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	74.4
175	5.0 - 9.0% of mass 174	5.6 (7.5) 1
176	95.0 - 101.0% of mass 174	73.3 (98.5) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084842.D	11/14/2024	09:54
VN1114WBL01	VN1114WBL01	VN084844.D	11/14/2024	10:52
VN1114WBS02	VN1114WBS02	VN084846.D	11/14/2024	12:50
MW-10	P4770-03	VN084863.D	11/14/2024	19:46

Raw Data: **VN084934.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084934.D BFB Injection Date: 11/19/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:15

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	72.3
175	5.0 - 9.0% of mass 174	5.1 (7.1) 1
176	95.0 - 101.0% of mass 174	68.9 (95.3) 1
177	5.0 - 9.0% of mass 176	4.4 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084935.D	11/19/2024	09:27
VN1119WBL01	VN1119WBL01	VN084937.D	11/19/2024	11:07
VN1119WBS01	VN1119WBS01	VN084938.D	11/19/2024	11:40
MW-3	P4770-02	VN084941.D	11/19/2024	12:52

Raw Data: **VN084959.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084959.D BFB Injection Date: 11/20/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:51

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	52.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	68.8 (95) 1
177	5.0 - 9.0% of mass 176	4.7 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084960.D	11/20/2024	11:18
VN1120WBL01	VN1120WBL01	VN084962.D	11/20/2024	12:21
VN1120WBS02	VN1120WBS02	VN084964.D	11/20/2024	13:20
MW-1	P4770-01	VN084983.D	11/20/2024	20:58

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084815.D Date Analyzed: 11/13/2024

Instrument ID: MSVOA_N Time Analyzed: 09:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	176295	8.22	281546	9.09	243058	11.87
UPPER LIMIT	352590	8.718	563092	9.594	486116	12.365
LOWER LIMIT	88147.5	7.718	140773	8.594	121529	11.365
EPA SAMPLE NO.						
FIELD-BLANK	165362	8.22	285235	9.10	254102	11.86
TRIP-BLANK	162509	8.22	277494	9.10	246107	11.87
VN1113WBL01	177026	8.22	303081	9.09	266497	11.87
VN1113WBS01	193540	8.22	311172	9.10	273249	11.87
VN1113WBSD01	144835	8.22	235271	9.10	211677	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084815.D Date Analyzed: 11/13/2024

Instrument ID: MSVOA_N Time Analyzed: 09:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	126719	13.788				
UPPER LIMIT	253438	14.288				
LOWER LIMIT	63359.5	13.288				
EPA SAMPLE NO.						
FIELD-BLANK	114393	13.79				
TRIP-BLANK	108148	13.79				
VN1113WBL01	115573	13.79				
VN1113WBS01	141208	13.79				
VN1113WBSD01	110546	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084842.D Date Analyzed: 11/14/2024

Instrument ID: MSVOA_N Time Analyzed: 09:54

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	192160	8.22	316615	9.09	272995	11.87
UPPER LIMIT	384320	8.718	633230	9.594	545990	12.365
LOWER LIMIT	96080	7.718	158308	8.594	136498	11.365
EPA SAMPLE NO.						
MW-10	170053	8.22	300668	9.09	261851	11.87
VN1114WBL01	203029	8.22	340637	9.09	293869	11.86
VN1114WBS02	169550	8.22	270058	9.09	234639	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084842.D Date Analyzed: 11/14/2024

Instrument ID: MSVOA_N Time Analyzed: 09:54

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	137639	13.788				
UPPER LIMIT	275278	14.288				
LOWER LIMIT	68819.5	13.288				
EPA SAMPLE NO.						
MW-10	123285	13.79				
VN1114WBL01	131669	13.79				
VN1114WBS02	118912	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084935.D Date Analyzed: 11/19/2024

Instrument ID: MSVOA_N Time Analyzed: 09:27

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	191121	8.22	319795	9.09	272380	11.87
UPPER LIMIT	382242	8.718	639590	9.594	544760	12.365
LOWER LIMIT	95560.5	7.718	159898	8.594	136190	11.365
EPA SAMPLE NO.						
MW-3	194823	8.22	349222	9.09	306335	11.87
VN1119WBL01	193589	8.22	346862	9.10	301411	11.87
VN1119WBS01	167364	8.22	286809	9.10	252679	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084935.D Date Analyzed: 11/19/2024

Instrument ID: MSVOA_N Time Analyzed: 09:27

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	140060	13.788				
UPPER LIMIT	280120	14.288				
LOWER LIMIT	70030	13.288				
EPA SAMPLE NO.						
MW-3	148014	13.79				
VN1119WBL01	128229	13.79				
VN1119WBS01	131165	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084960.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_N Time Analyzed: 11:18

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	164992	8.22	271316	9.10	240365	11.87
UPPER LIMIT	329984	8.724	542632	9.6	480730	12.365
LOWER LIMIT	82496	7.724	135658	8.6	120183	11.365
EPA SAMPLE NO.						
MW-1	152380	8.22	277071	9.10	242199	11.87
VN1120WBL01	178908	8.22	319489	9.10	277659	11.87
VN1120WBS02	150630	8.22	253557	9.10	229692	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084960.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_N Time Analyzed: 11:18

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	122785	13.788				
UPPER LIMIT	245570	14.288				
LOWER LIMIT	61392.5	13.288				
EPA SAMPLE NO.						
MW-1	122080	13.79				
VN1120WBL01	123641	13.79				
VN1120WBS02	114872	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **VN084983.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-1	SDG No.:	P4770
Lab Sample ID:	P4770-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084983.D	500		11/20/24 20:58	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/L
74-87-3	Chloromethane	180	U	180	500	ug/L
75-01-4	Vinyl Chloride	170	U	170	500	ug/L
74-83-9	Bromomethane	680	U	680	2500	ug/L
75-00-3	Chloroethane	280	U	280	500	ug/L
75-69-4	Trichlorofluoromethane	170	U	170	500	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	130	U	130	500	ug/L
75-65-0	Tert butyl alcohol	2800	U	2800	12500	ug/L
75-35-4	1,1-Dichloroethene	130	U	130	500	ug/L
67-64-1	Acetone	700	U	700	2500	ug/L
75-15-0	Carbon Disulfide	160	U	160	500	ug/L
1634-04-4	Methyl tert-butyl Ether	80.0	U	80.0	500	ug/L
79-20-9	Methyl Acetate	300	U	300	500	ug/L
75-09-2	Methylene Chloride	160	U	160	500	ug/L
156-60-5	trans-1,2-Dichloroethene	130	U	130	500	ug/L
75-34-3	1,1-Dichloroethane	120	U	120	500	ug/L
110-82-7	Cyclohexane	810	U	810	2500	ug/L
78-93-3	2-Butanone	650	U	650	2500	ug/L
56-23-5	Carbon Tetrachloride	130	U	130	500	ug/L
156-59-2	cis-1,2-Dichloroethene	130	U	130	500	ug/L
74-97-5	Bromochloromethane	90.0	U	90.0	500	ug/L
67-66-3	Chloroform	130	U	130	500	ug/L
71-55-6	1,1,1-Trichloroethane	95.0	U	95.0	500	ug/L
108-87-2	Methylcyclohexane	150	J	95.0	500	ug/L
71-43-2	Benzene	390	J	80.0	500	ug/L
107-06-2	1,2-Dichloroethane	120	U	120	500	ug/L
79-01-6	Trichloroethene	160	U	160	500	ug/L
78-87-5	1,2-Dichloropropane	95.0	U	95.0	500	ug/L
75-27-4	Bromodichloromethane	120	U	120	500	ug/L
108-10-1	4-Methyl-2-Pentanone	380	U	380	2500	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-1	SDG No.:	P4770
Lab Sample ID:	P4770-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084983.D	500		11/20/24 20:58	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	10200		90.0	500	ug/L
10061-02-6	t-1,3-Dichloropropene	110	U	110	500	ug/L
10061-01-5	cis-1,3-Dichloropropene	90.0	U	90.0	500	ug/L
79-00-5	1,1,2-Trichloroethane	110	U	110	500	ug/L
591-78-6	2-Hexanone	570	U	570	2500	ug/L
124-48-1	Dibromochloromethane	90.0	U	90.0	500	ug/L
106-93-4	1,2-Dibromoethane	80.0	U	80.0	500	ug/L
127-18-4	Tetrachloroethene	130	U	130	500	ug/L
108-90-7	Chlorobenzene	65.0	U	65.0	500	ug/L
100-41-4	Ethyl Benzene	3700		80.0	500	ug/L
179601-23-1	m/p-Xylenes	17500		160	1000	ug/L
95-47-6	o-Xylene	8300		70.0	500	ug/L
100-42-5	Styrene	80.0	U	80.0	500	ug/L
75-25-2	Bromoform	110	U	110	500	ug/L
98-82-8	Isopropylbenzene	1300		65.0	500	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	140	U	140	500	ug/L
541-73-1	1,3-Dichlorobenzene	240	J	120	500	ug/L
106-46-7	1,4-Dichlorobenzene	140	U	140	500	ug/L
95-50-1	1,2-Dichlorobenzene	230	J	95.0	500	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	230	U	230	500	ug/L
120-82-1	1,2,4-Trichlorobenzene	400	J	210	500	ug/L
87-61-6	1,2,3-Trichlorobenzene	420	J	260	500	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	46.3		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	152000	8.224			
540-36-3	1,4-Difluorobenzene	277000	9.1			
3114-55-4	Chlorobenzene-d5	242000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.788			

Raw Data: **VN084983.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-1	SDG No.:	P4770
Lab Sample ID:	P4770-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084983.D	500		11/20/24 20:58	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084983.D
Acq On : 20 Nov 2024 20:58
Operator : JC\MD
Sample : P4770-01 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Time: Nov 21 03:40:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	152380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	277071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113952	51.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.560%			
35) Dibromofluoromethane	8.165	113	90226	48.109	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.220%			
50) Toluene-d8	10.565	98	319903	46.306	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.620%			
62) 4-Bromofluorobenzene	12.847	95	130351	50.486	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.980%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.600	83	784	0.296	ug/l	93
40) Benzene	8.606	78	6541	0.783	ug/l #	68
52) Toluene	10.630	92	99603	20.389	ug/l	98
67) Ethyl Benzene	11.965	91	67442	7.457	ug/l	97
68) m/p-Xylenes	12.065	106	119638	34.939	ug/l	98
69) o-Xylene	12.394	106	52872	16.506	ug/l	100
73) Isopropylbenzene	12.694	105	21409	2.502	ug/l	98
78) n-propylbenzene	13.035	91	46927	4.681	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	81125	11.441	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	301506	41.200	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	2133	0.475	ug/l	86
91) 1,2-Dichlorobenzene	14.100	146	1977	0.458	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	1891	0.801	ug/l #	84
95) Naphthalene	15.635	128	59150	8.371	ug/l	98
96) 1,2,3-Trichlorobenzene	15.829	180	1905	0.831	ug/l	89

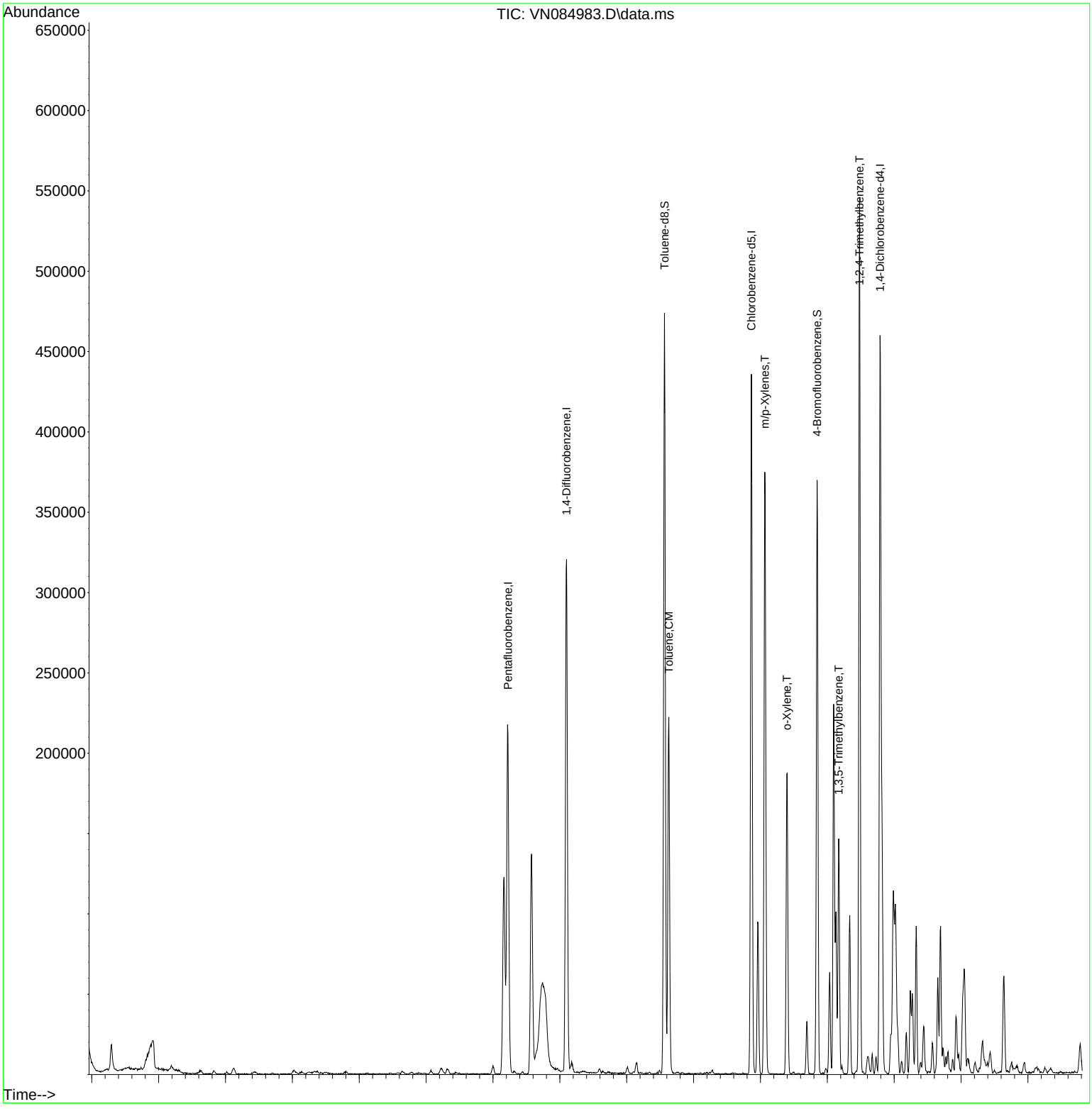
(#) = qualifier out of range (m) = manual integration (+) = signals summed

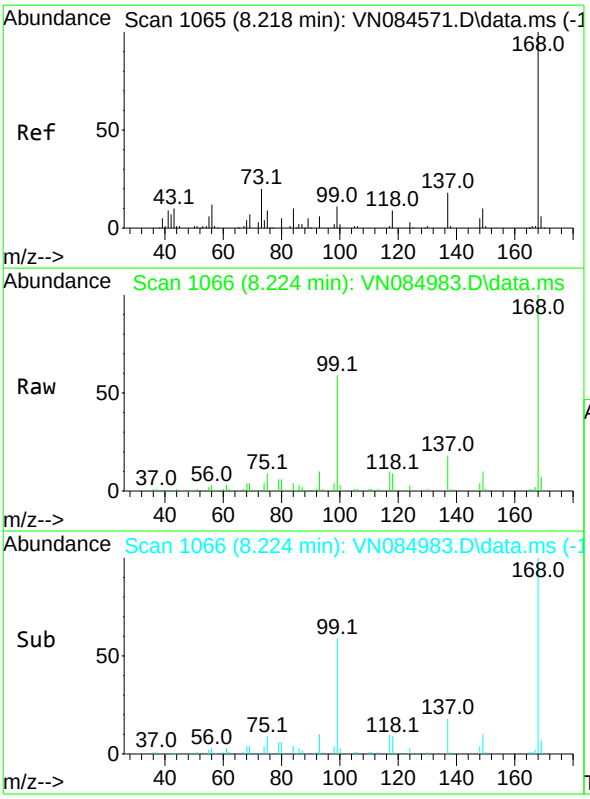
Sample Results: **VN084983.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084983.D
Acq On : 20 Nov 2024 20:58
Operator : JC\MD
Sample : P4770-01 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Time: Nov 21 03:40:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



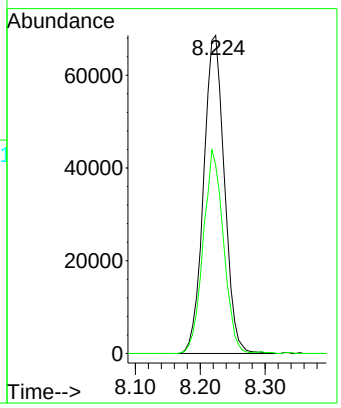


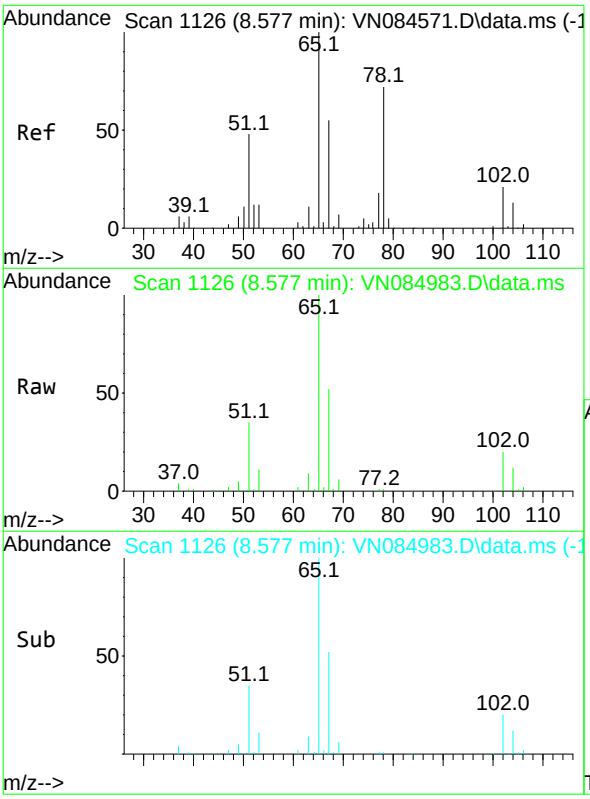
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:168 Resp: 152380

Ion	Ratio	Lower	Upper
168	100		
99	59.2	54.2	81.2

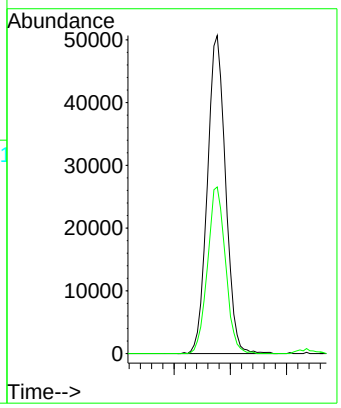


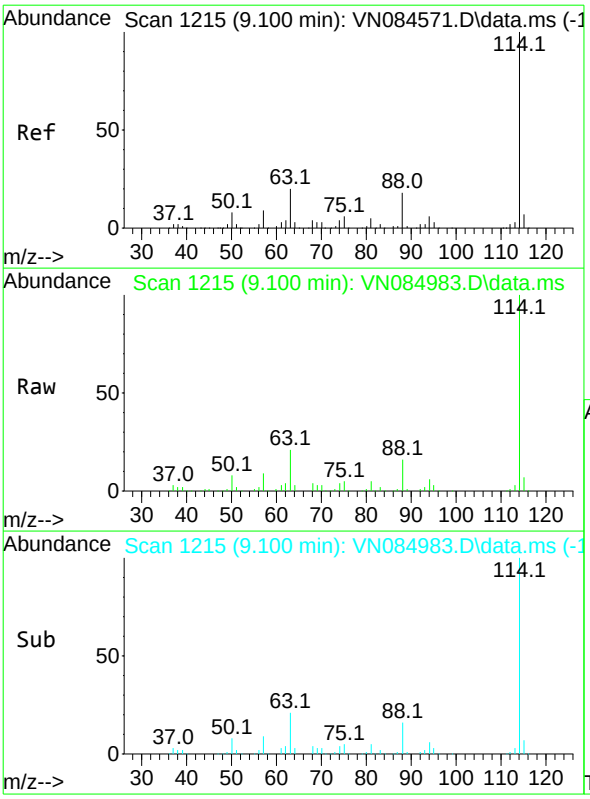


#33
1,2-Dichloroethane-d4
Concen: 51.776 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion: 65 Resp: 113952

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.0



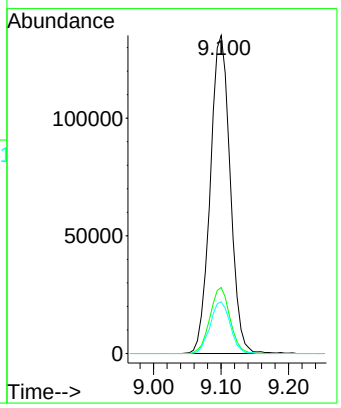


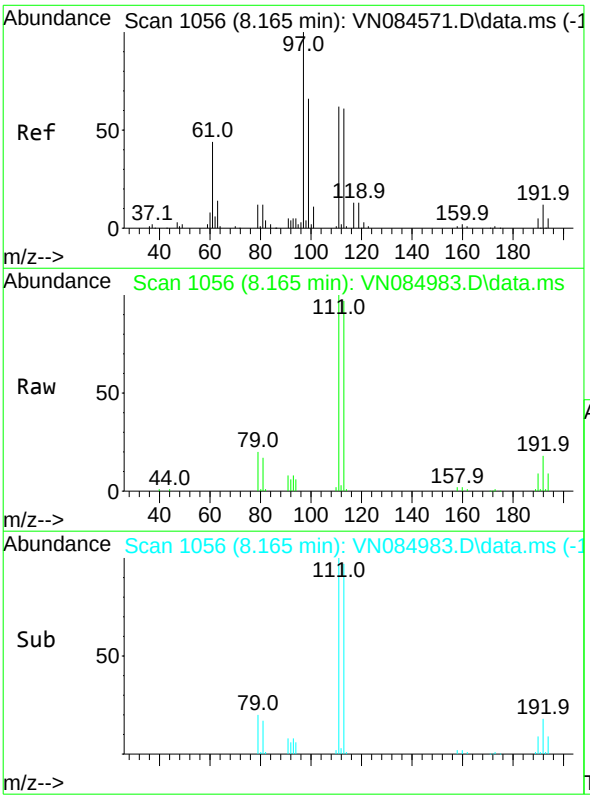
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:114 Resp: 277071

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.8
88	16.3	0.0	31.6

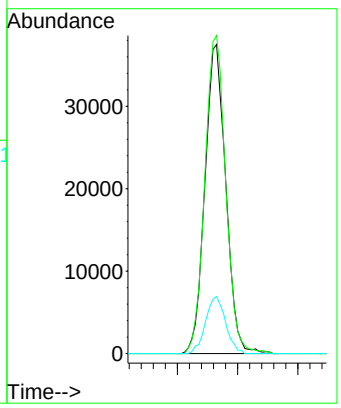


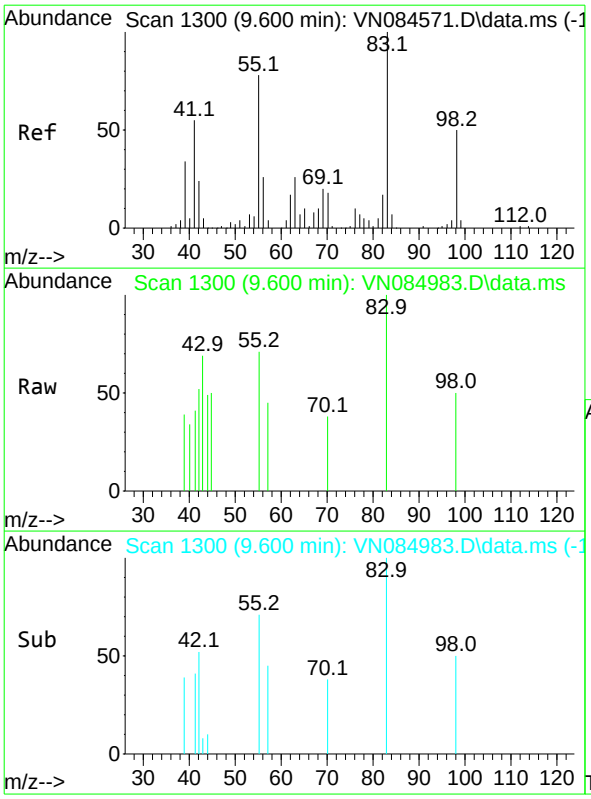


#35
Dibromofluoromethane
Concen: 48.109 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:113 Resp: 90226

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.3	124.9
192	17.7	13.5	20.3



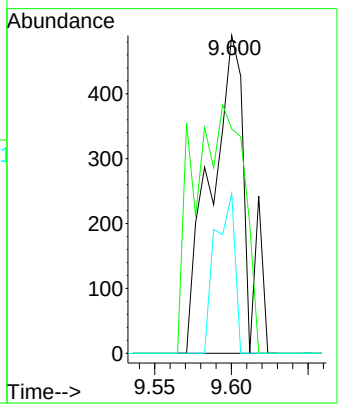


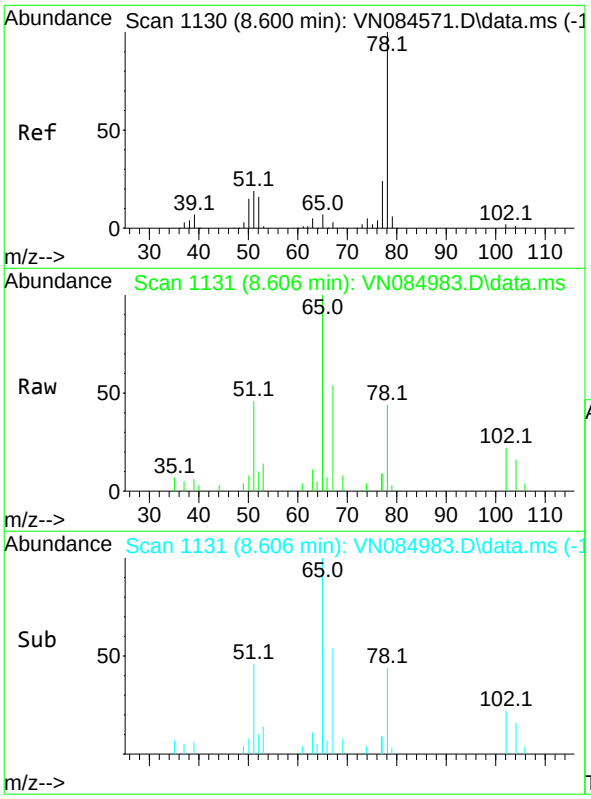
#39
Methylcyclohexane
Concen: 0.296 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 83 Resp: 784

Ion	Ratio	Lower	Upper
83	100		
55	70.6	62.8	94.2
98	50.2	38.8	58.2

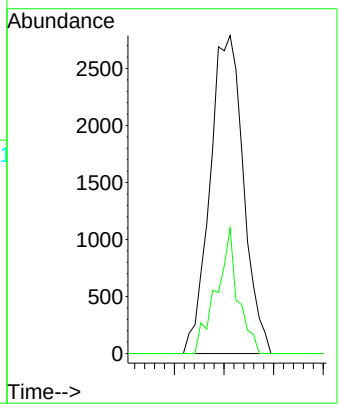


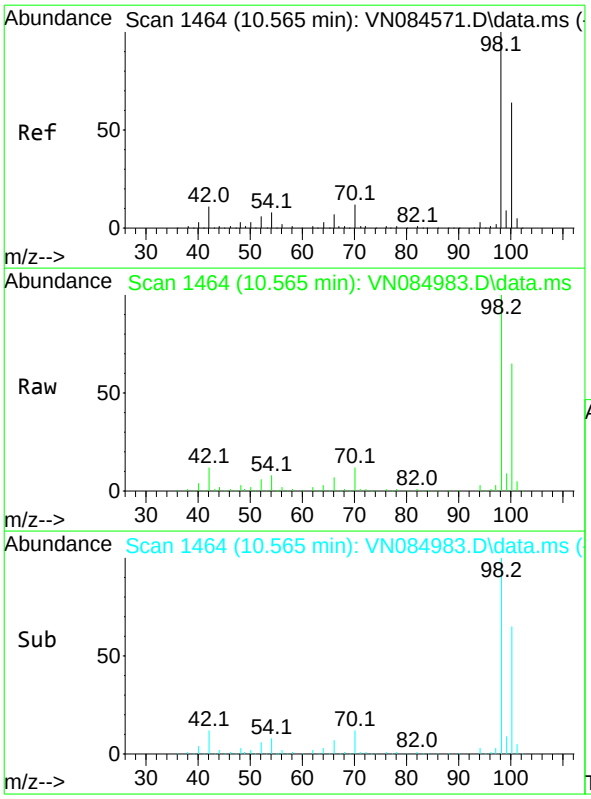


#40
Benzene
Concen: 0.783 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion: 78 Resp: 6541

Ion	Ratio	Lower	Upper
78	100		
77	39.4	19.1	28.7#



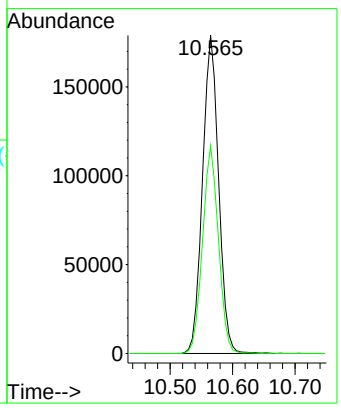


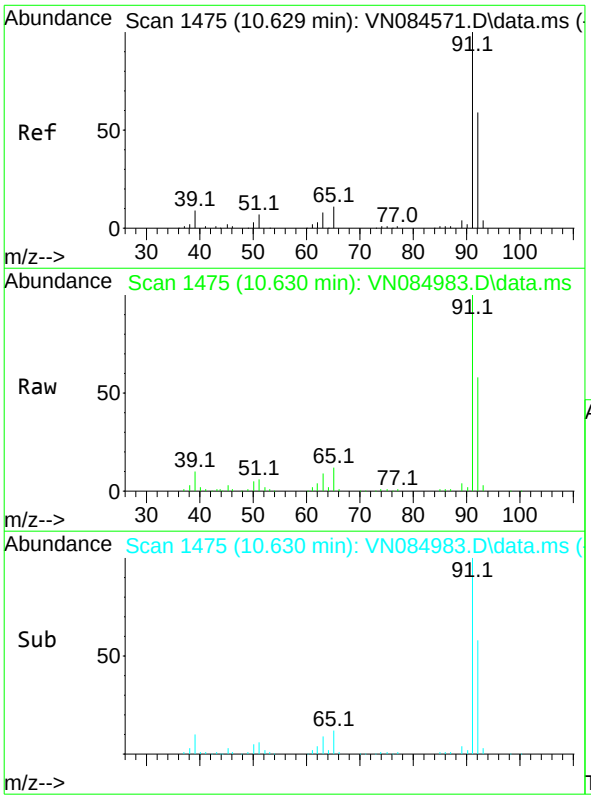
#50
Toluene-d8
Concen: 46.306 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 98 Resp: 319903

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1

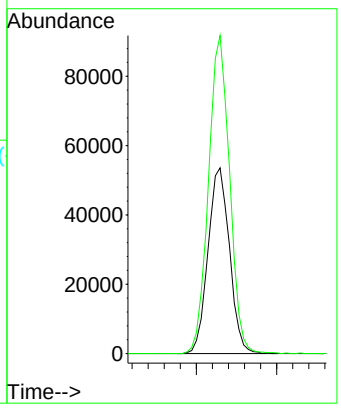


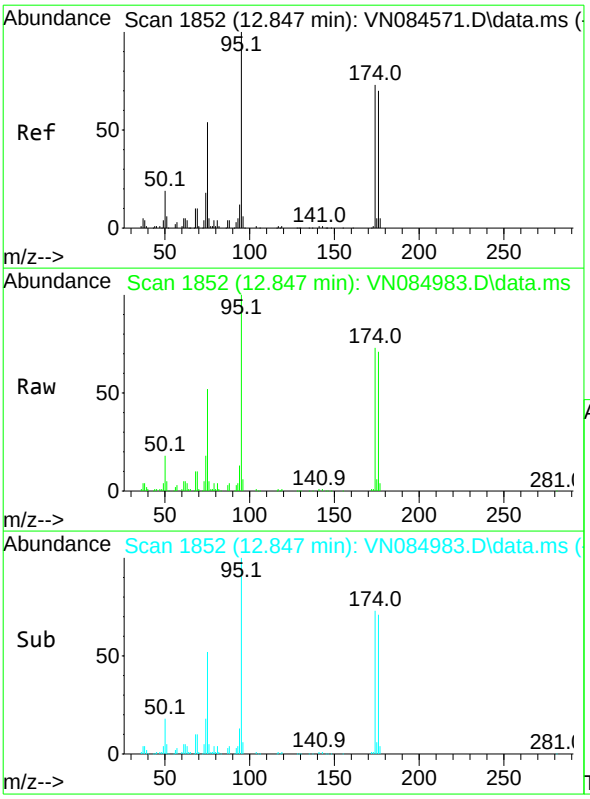


#52
Toluene
Concen: 20.389 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion: 92 Resp: 99603

Ion	Ratio	Lower	Upper
92	100		
91	168.5	137.3	205.9



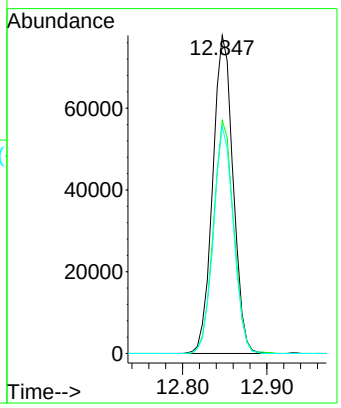


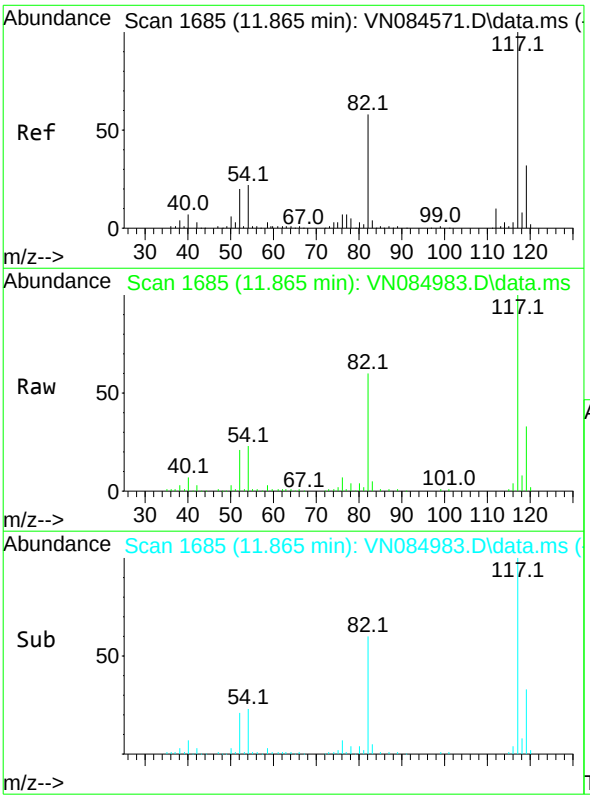
#62
4-Bromofluorobenzene
Concen: 50.486 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 95 Resp: 130351

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	145.2
176	70.4	0.0	140.0

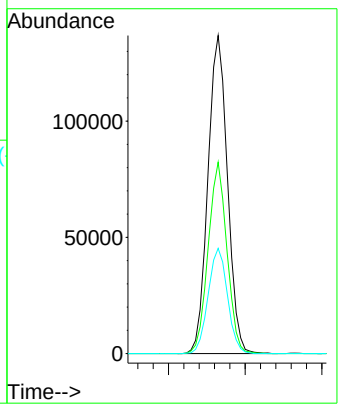


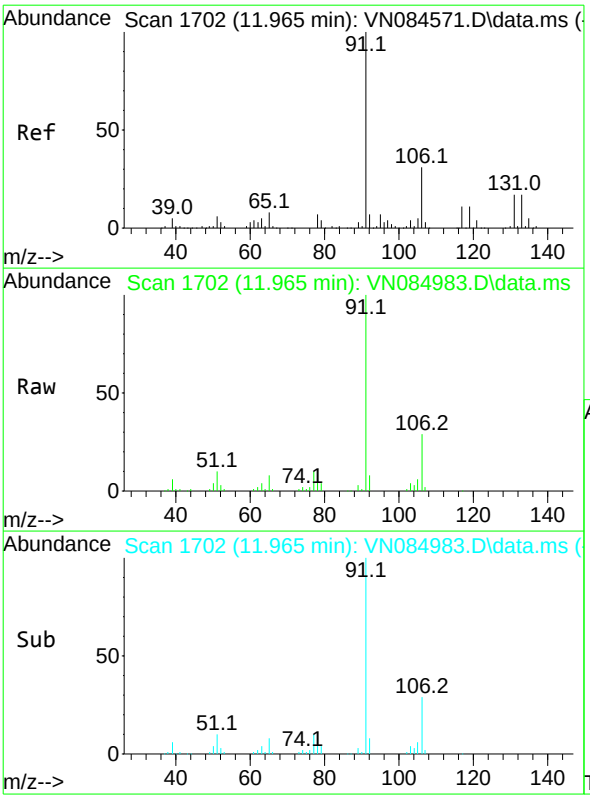


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:117 Resp: 242199

Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.2	70.8
119	33.1	25.4	38.0



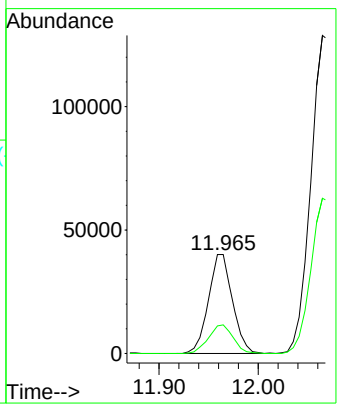


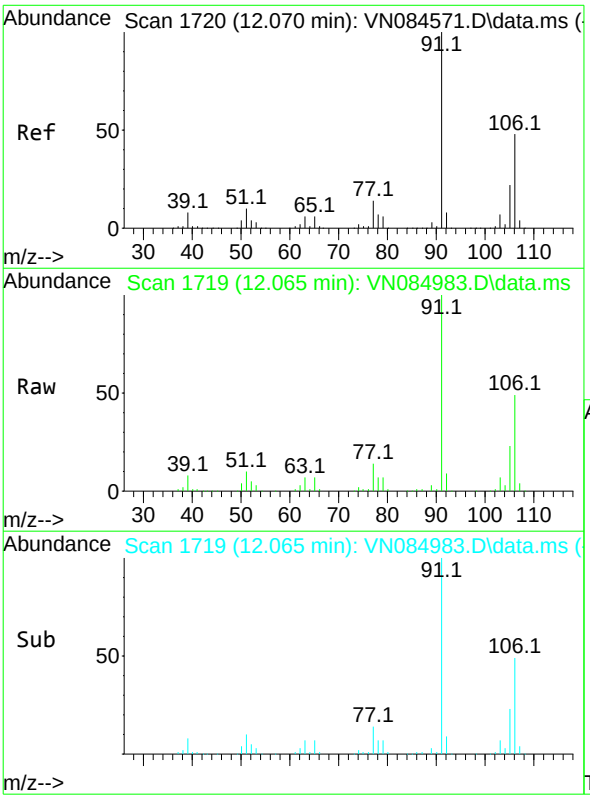
#67
Ethyl Benzene
Concen: 7.457 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 91 Resp: 67442

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.5	36.7

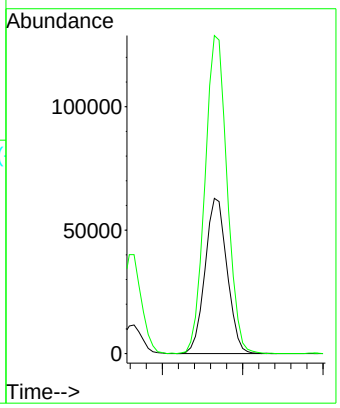


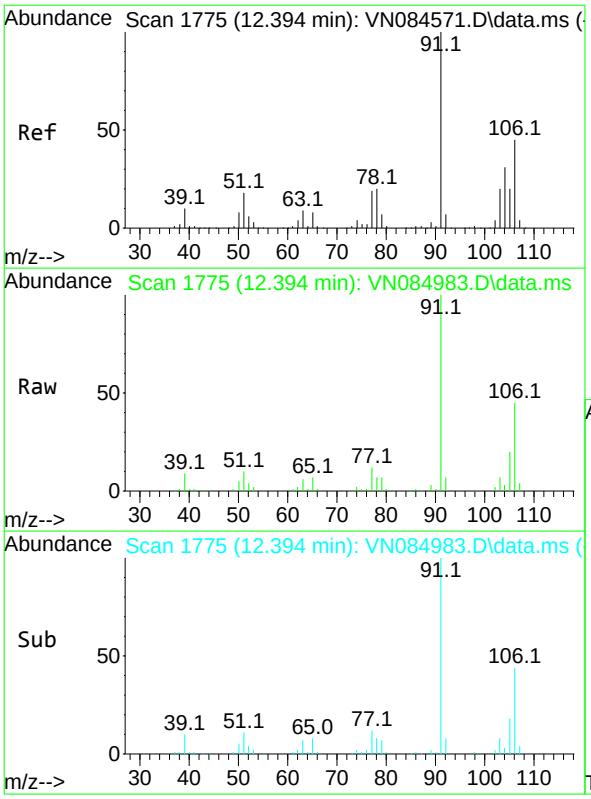


#68
m/p-Xylenes
Concen: 34.939 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:106 Resp: 119638

Ion	Ratio	Lower	Upper
106	100		
91	205.9	167.1	250.7



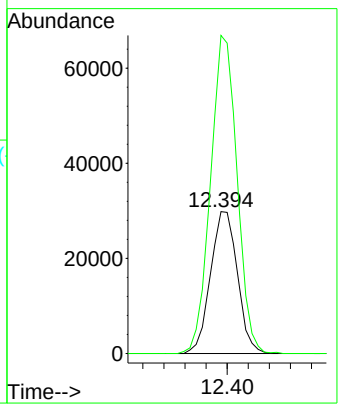


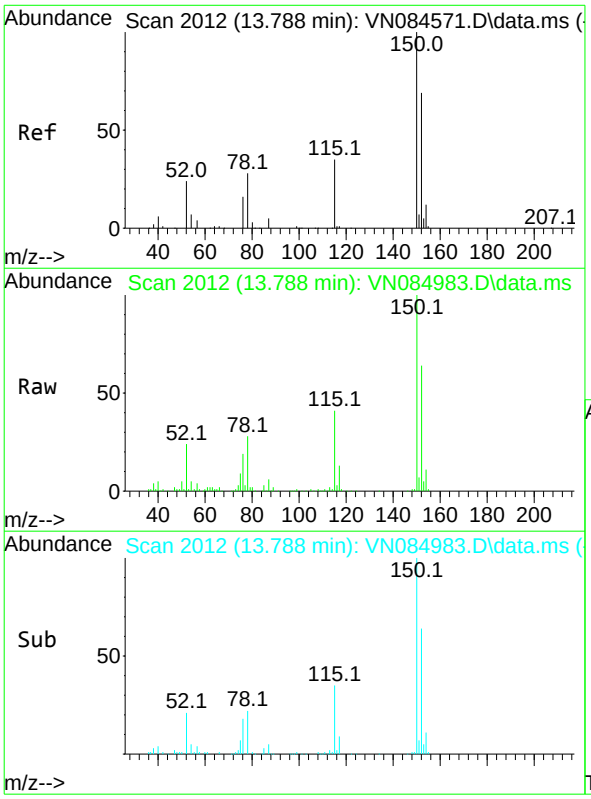
#69
o-Xylene
Concen: 16.506 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:106 Resp: 52872

Ion	Ratio	Lower	Upper
106	100		
91	221.1	110.2	330.6

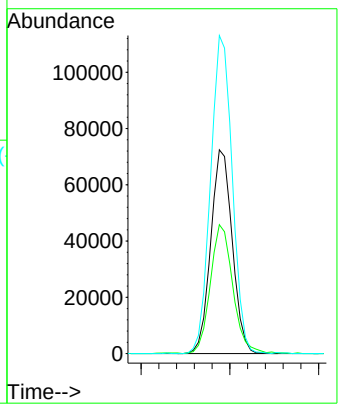


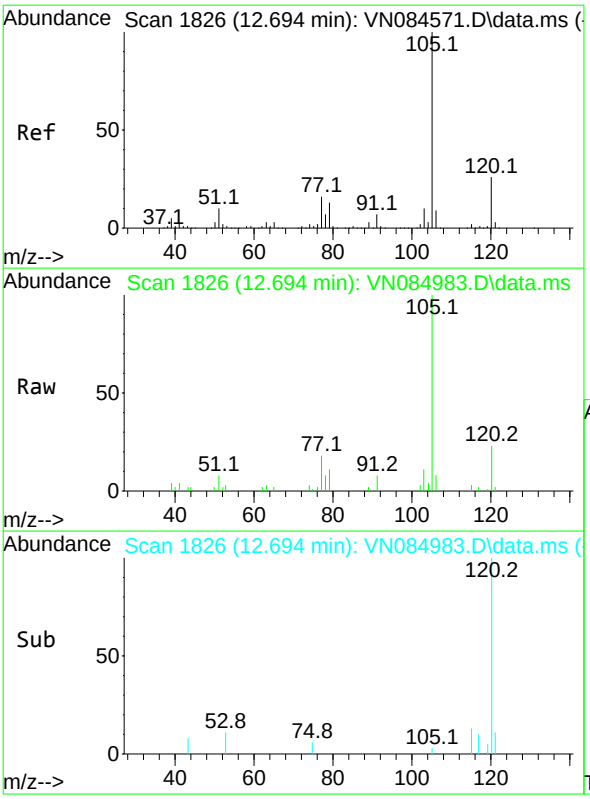


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:152 Resp: 122080

Ion	Ratio	Lower	Upper
152	100		
115	66.2	31.3	93.9
150	157.1	0.0	349.8



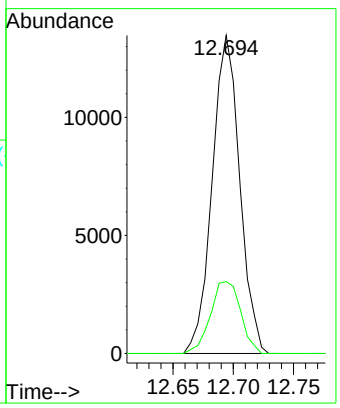


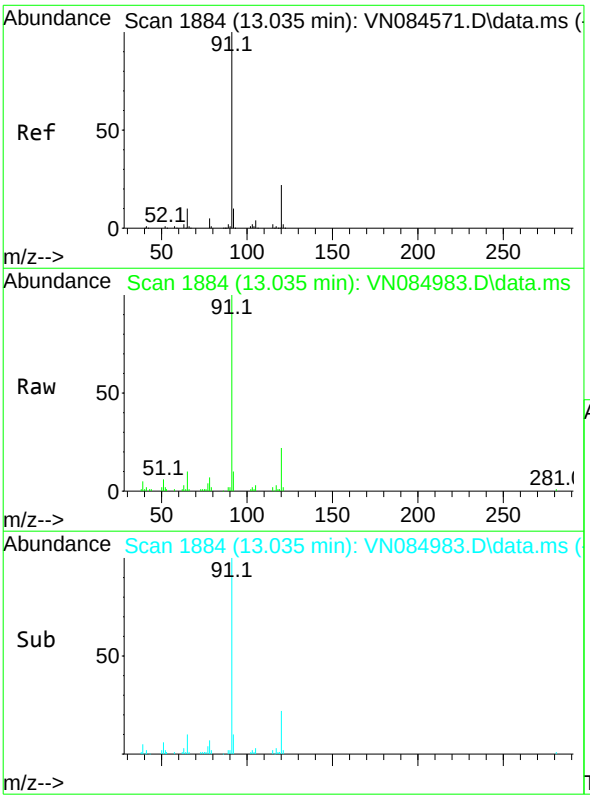
#73
Isopropylbenzene
Concen: 2.502 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:105 Resp: 21409

Ion	Ratio	Lower	Upper
105	100		
120	24.8	12.9	38.7

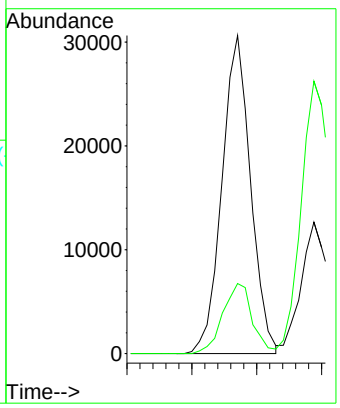


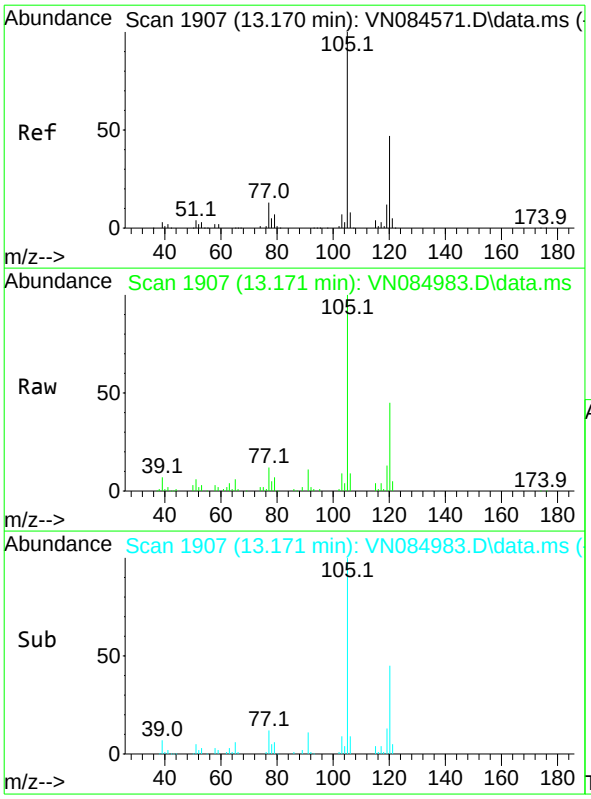


#78
n-propylbenzene
Concen: 4.681 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion: 91 Resp: 46927

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.8	32.4



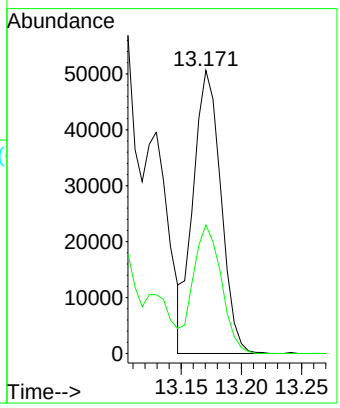


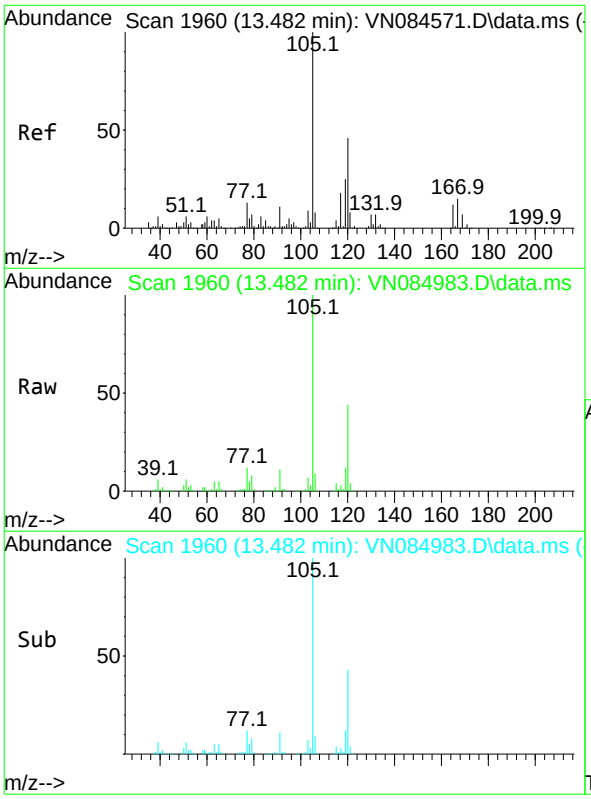
#80
1,3,5-Trimethylbenzene
Concen: 11.441 ug/l
RT: 13.171 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:105 Resp: 81125

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.7	71.1

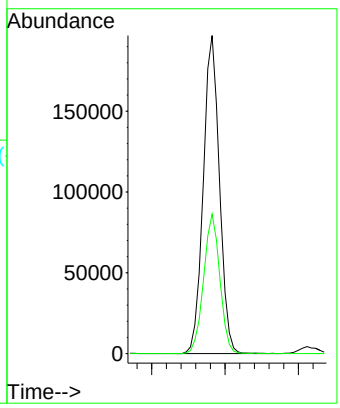


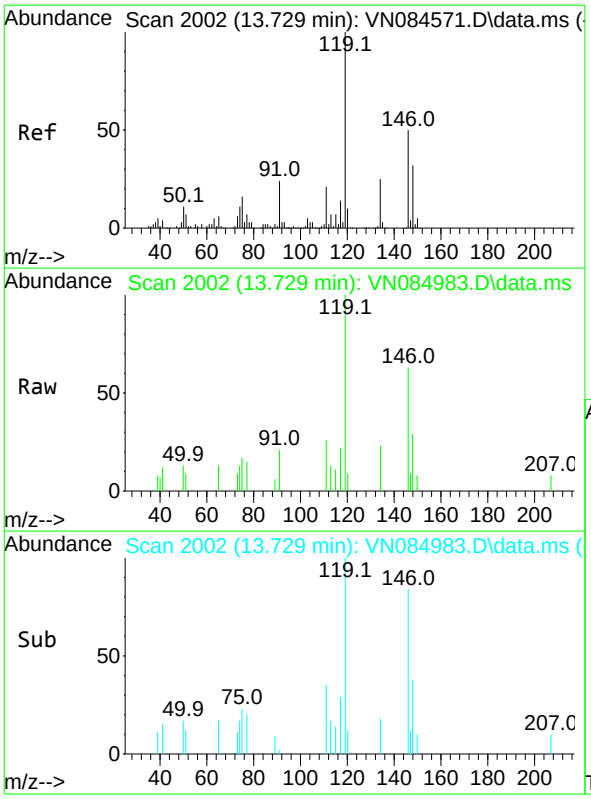


#84
1,2,4-Trimethylbenzene
Concen: 41.200 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:105 Resp: 301506

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.3	66.8



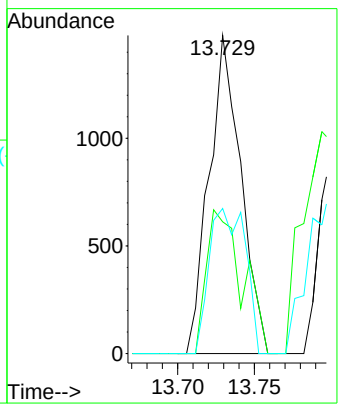


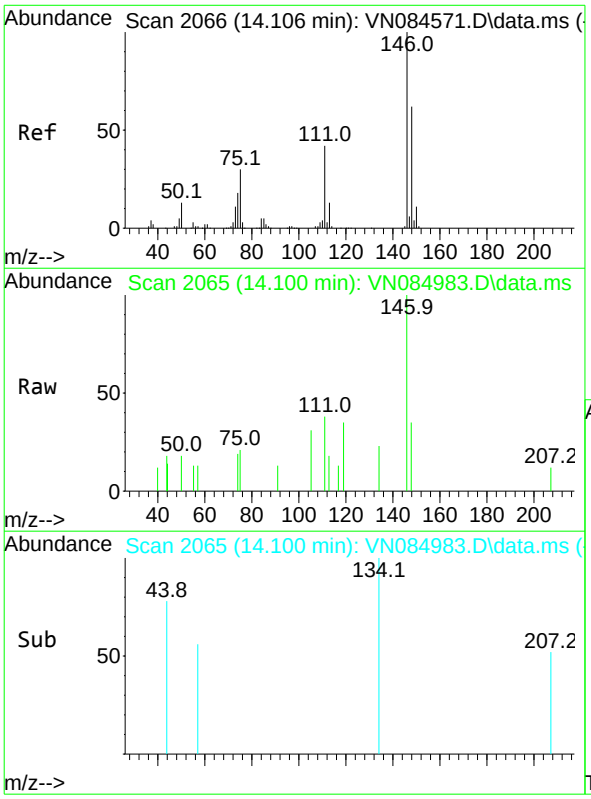
#87
1,3-Dichlorobenzene
Concen: 0.475 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:146 Resp: 2133

Ion	Ratio	Lower	Upper
146	100		
111	50.8	21.8	65.3
148	51.9	31.9	95.7

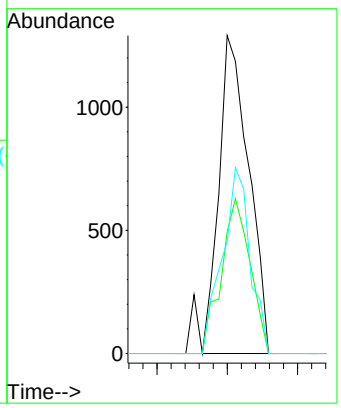


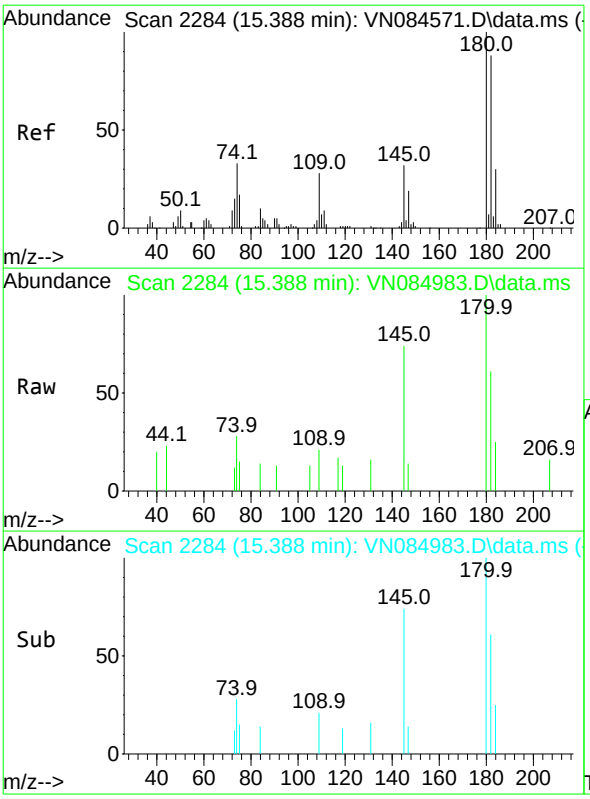


#91
1,2-Dichlorobenzene
Concen: 0.458 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:146 Resp: 1977

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.0	66.0
148	52.3	32.1	96.3



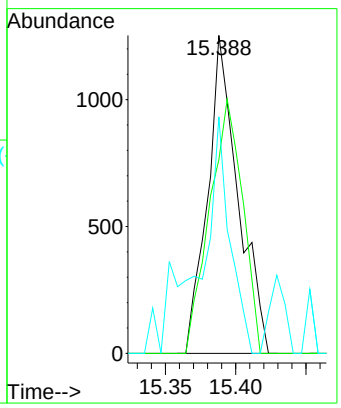


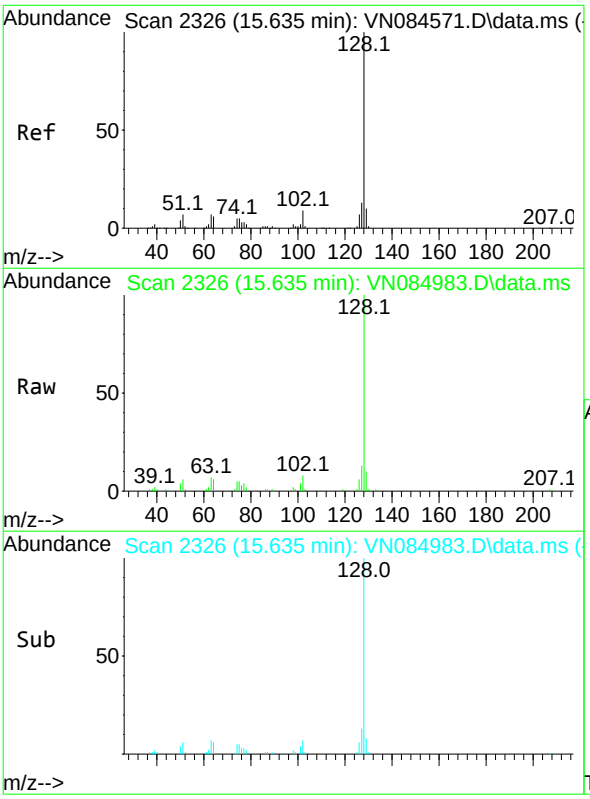
#93
1,2,4-Trichlorobenzene
Concen: 0.801 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:180 Resp: 1891

Ion	Ratio	Lower	Upper
180	100		
182	86.6	47.0	141.0
145	55.4	16.4	49.4#

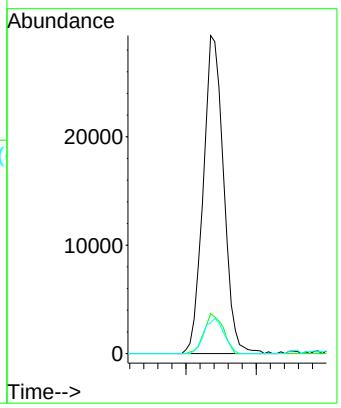


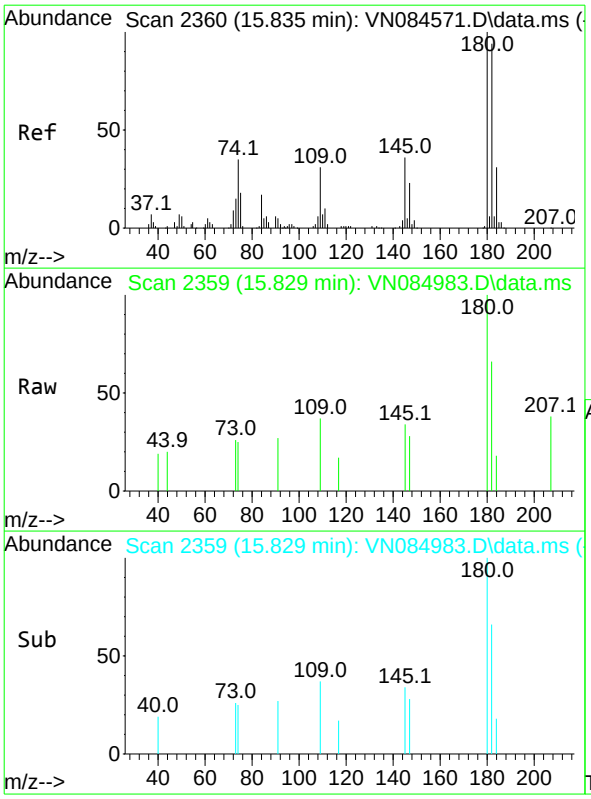


#95
Naphthalene
Concen: 8.371 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:128 Resp: 59150

Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.5	15.7
129	10.8	8.7	13.1



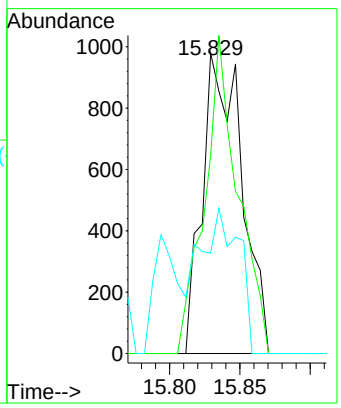


#96
1,2,3-Trichlorobenzene
Concen: 0.831 ug/l
RT: 15.829 min Scan# 23
Delta R.T. -0.006 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:180 Resp: 1905

Ion	Ratio	Lower	Upper
180	100		
182	89.8	48.2	144.6
145	47.9	17.3	51.9



Raw Data: **VN084941.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-3	SDG No.:	P4770
Lab Sample ID:	P4770-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084941.D	500		11/19/24 12:52	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/L
74-87-3	Chloromethane	180	U	180	500	ug/L
75-01-4	Vinyl Chloride	170	U	170	500	ug/L
74-83-9	Bromomethane	680	U	680	2500	ug/L
75-00-3	Chloroethane	280	U	280	500	ug/L
75-69-4	Trichlorofluoromethane	170	U	170	500	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	130	U	130	500	ug/L
75-65-0	Tert butyl alcohol	2800	U	2800	12500	ug/L
75-35-4	1,1-Dichloroethene	130	U	130	500	ug/L
67-64-1	Acetone	700	U	700	2500	ug/L
75-15-0	Carbon Disulfide	160	U	160	500	ug/L
1634-04-4	Methyl tert-butyl Ether	80.0	U	80.0	500	ug/L
79-20-9	Methyl Acetate	300	U	300	500	ug/L
75-09-2	Methylene Chloride	160	U	160	500	ug/L
156-60-5	trans-1,2-Dichloroethene	130	U	130	500	ug/L
75-34-3	1,1-Dichloroethane	120	U	120	500	ug/L
110-82-7	Cyclohexane	810	U	810	2500	ug/L
78-93-3	2-Butanone	650	U	650	2500	ug/L
56-23-5	Carbon Tetrachloride	130	U	130	500	ug/L
156-59-2	cis-1,2-Dichloroethene	130	U	130	500	ug/L
74-97-5	Bromochloromethane	90.0	U	90.0	500	ug/L
67-66-3	Chloroform	130	U	130	500	ug/L
71-55-6	1,1,1-Trichloroethane	95.0	U	95.0	500	ug/L
108-87-2	Methylcyclohexane	420	J	95.0	500	ug/L
71-43-2	Benzene	400	J	80.0	500	ug/L
107-06-2	1,2-Dichloroethane	120	U	120	500	ug/L
79-01-6	Trichloroethene	160	U	160	500	ug/L
78-87-5	1,2-Dichloropropane	95.0	U	95.0	500	ug/L
75-27-4	Bromodichloromethane	120	U	120	500	ug/L
108-10-1	4-Methyl-2-Pentanone	380	U	380	2500	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-3	SDG No.:	P4770
Lab Sample ID:	P4770-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084941.D	500		11/19/24 12:52	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	25300		90.0	500	ug/L
10061-02-6	t-1,3-Dichloropropene	110	U	110	500	ug/L
10061-01-5	cis-1,3-Dichloropropene	90.0	U	90.0	500	ug/L
79-00-5	1,1,2-Trichloroethane	110	U	110	500	ug/L
591-78-6	2-Hexanone	570	U	570	2500	ug/L
124-48-1	Dibromochloromethane	90.0	U	90.0	500	ug/L
106-93-4	1,2-Dibromoethane	80.0	U	80.0	500	ug/L
127-18-4	Tetrachloroethene	130	U	130	500	ug/L
108-90-7	Chlorobenzene	65.0	U	65.0	500	ug/L
100-41-4	Ethyl Benzene	5700		80.0	500	ug/L
179601-23-1	m/p-Xylenes	18100		160	1000	ug/L
95-47-6	o-Xylene	6600		70.0	500	ug/L
100-42-5	Styrene	80.0	U	80.0	500	ug/L
75-25-2	Bromoform	110	U	110	500	ug/L
98-82-8	Isopropylbenzene	1500		65.0	500	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	140	U	140	500	ug/L
541-73-1	1,3-Dichlorobenzene	120	U	120	500	ug/L
106-46-7	1,4-Dichlorobenzene	140	U	140	500	ug/L
95-50-1	1,2-Dichlorobenzene	95.0	U	95.0	500	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	230	U	230	500	ug/L
120-82-1	1,2,4-Trichlorobenzene	210	U	210	500	ug/L
87-61-6	1,2,3-Trichlorobenzene	260	U	260	500	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	47.5		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	8.218			
540-36-3	1,4-Difluorobenzene	349000	9.094			
3114-55-4	Chlorobenzene-d5	306000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.788			

Raw Data: **VN084941.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-3	SDG No.:	P4770
Lab Sample ID:	P4770-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084941.D	500		11/19/24 12:52	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084941.D
Acq On : 19 Nov 2024 12:52
Operator : JC\MD
Sample : P4770-02 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Time: Nov 20 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	194823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	349222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	140718	50.008	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.020%			
35) Dibromofluoromethane	8.165	113	113192	47.885	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.780%			
50) Toluene-d8	10.565	98	413552	47.494	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.980%			
62) 4-Bromofluorobenzene	12.847	95	163672	50.294	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.580%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.600	83	2800	0.840	ug/l #	68
40) Benzene	8.600	78	8506	0.808	ug/l	91
52) Toluene	10.630	92	312079	50.684	ug/l	100
67) Ethyl Benzene	11.959	91	130493	11.407	ug/l	99
68) m/p-Xylenes	12.065	106	157125	36.280	ug/l	99
69) o-Xylene	12.394	106	53497	13.204	ug/l	100
73) Isopropylbenzene	12.694	105	31866	3.072	ug/l	98
78) n-propylbenzene	13.029	91	50739	4.174	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	57924	6.738	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	190785	21.502	ug/l	99
95) Naphthalene	15.641	128	36609	4.273	ug/l	99

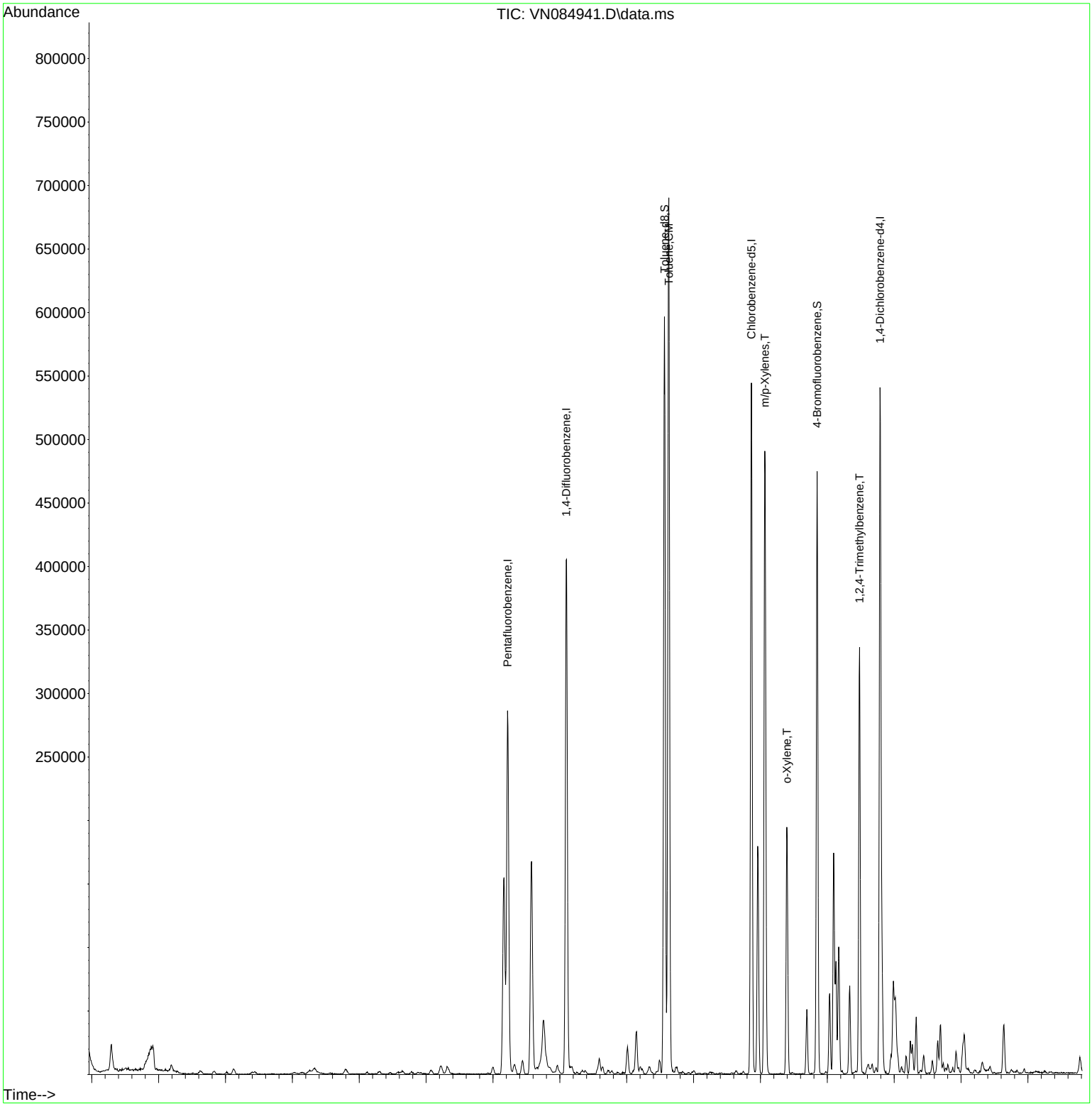
(#) = qualifier out of range (m) = manual integration (+) = signals summed

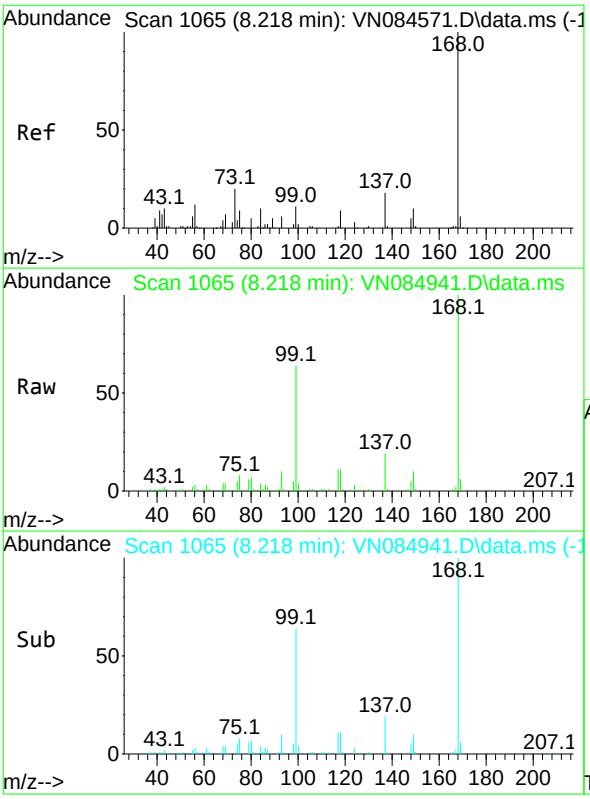
Sample Results: **VN084941.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084941.D
Acq On : 19 Nov 2024 12:52
Operator : JC\MD
Sample : P4770-02 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Time: Nov 20 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



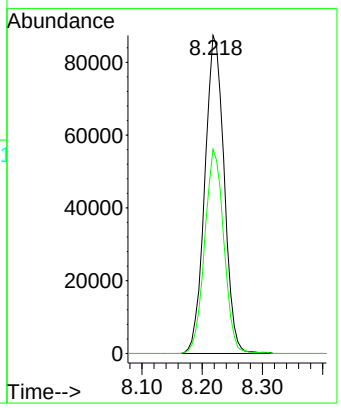


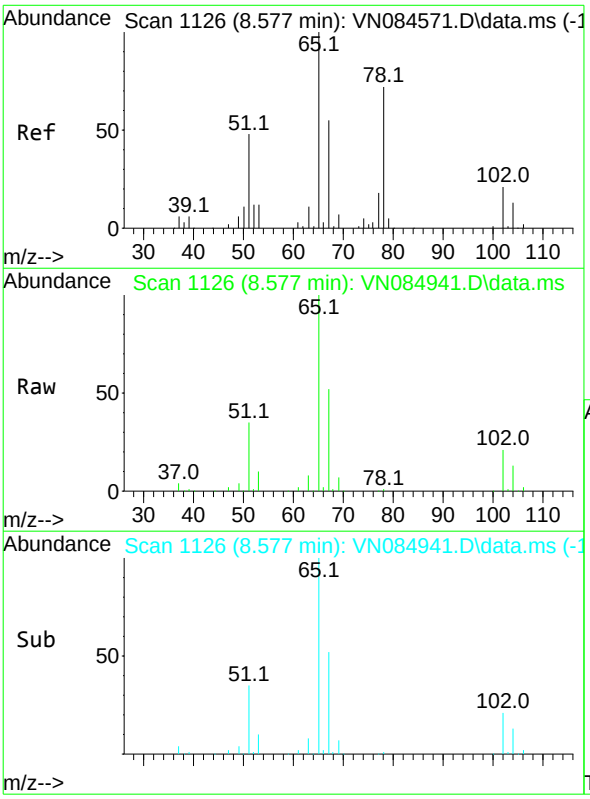
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:168 Resp: 194823

Ion	Ratio	Lower	Upper
168	100		
99	64.2	54.2	81.2

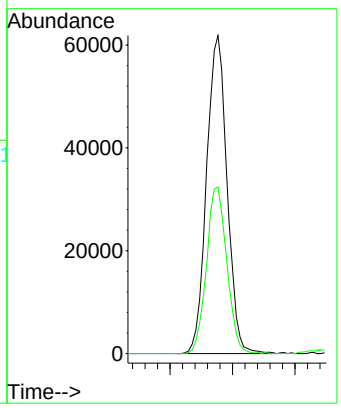


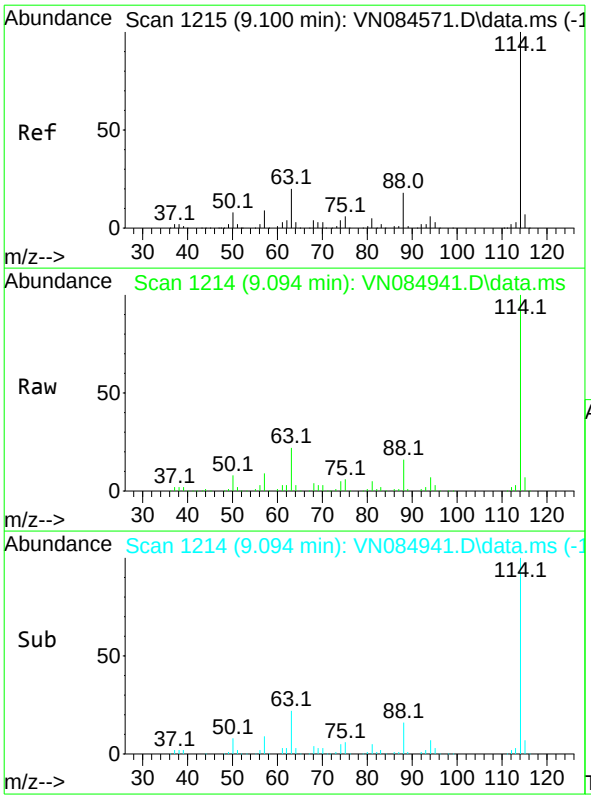


#33
1,2-Dichloroethane-d4
Concen: 50.008 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion: 65 Resp: 140718

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0



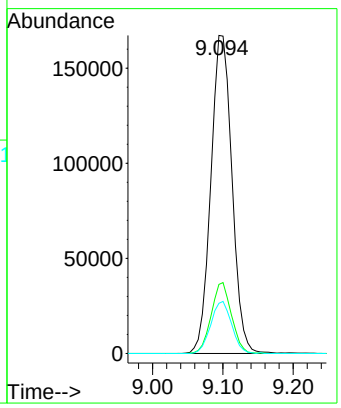


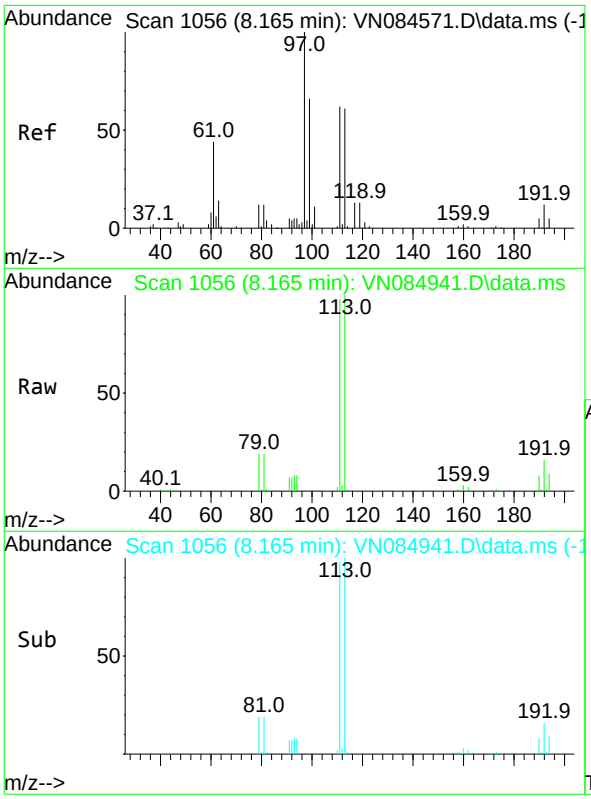
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:114 Resp: 349222

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	15.8	0.0	31.6

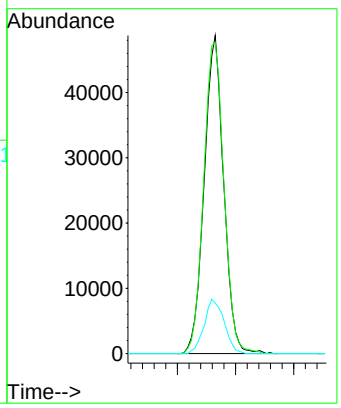


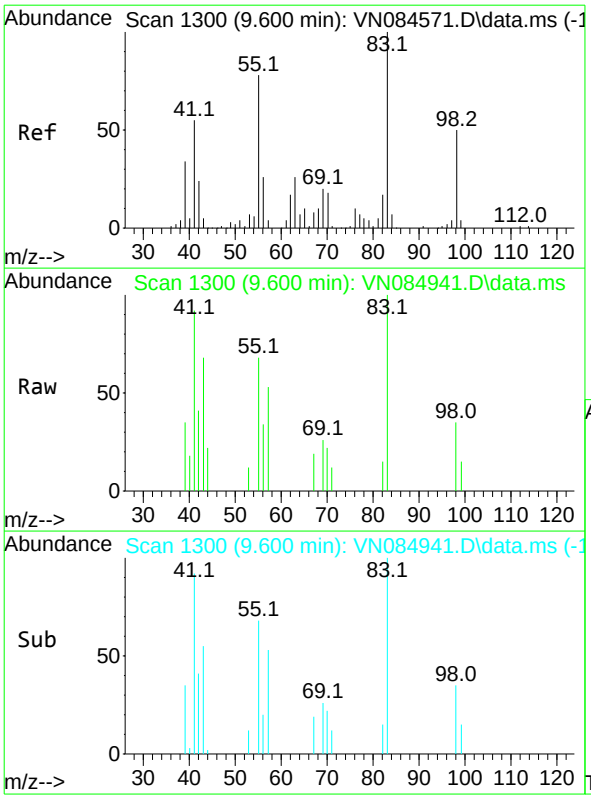


#35
Dibromofluoromethane
Concen: 47.885 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion:113 Resp: 113192

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.3	124.9
192	17.5	13.5	20.3



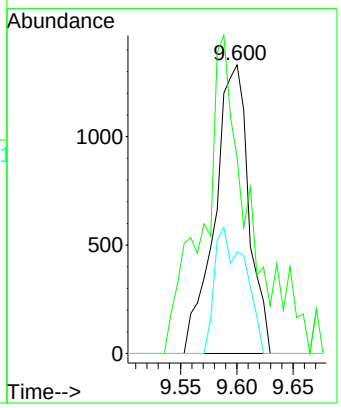


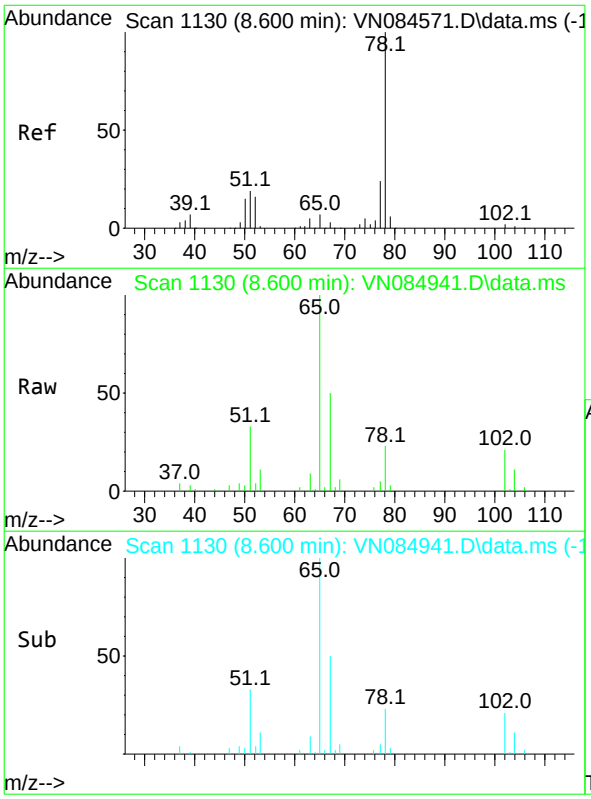
#39
Methylcyclohexane
Concen: 0.840 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 83 Resp: 2800

Ion	Ratio	Lower	Upper
83	100		
55	43.7	62.8	94.2#
98	35.2	38.8	58.2#

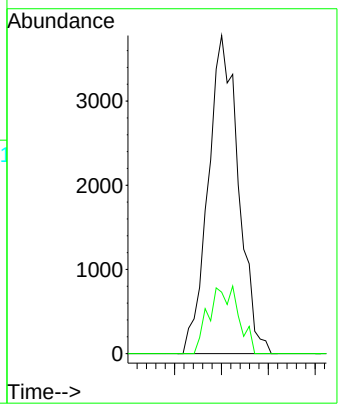


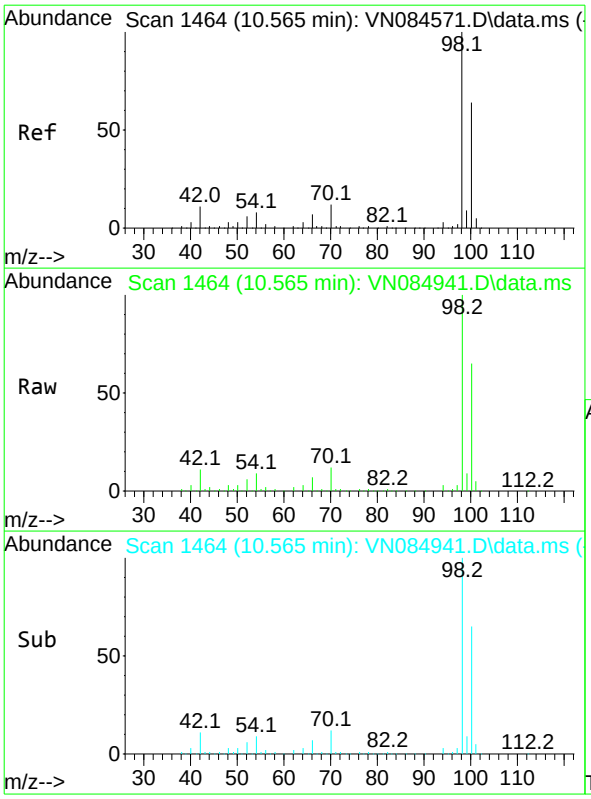


#40
Benzene
Concen: 0.808 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion: 78 Resp: 8506

Ion	Ratio	Lower	Upper
78	100		
77	19.3	19.1	28.7



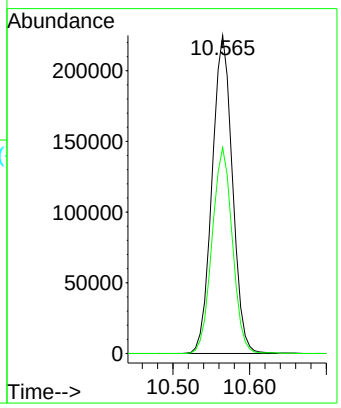


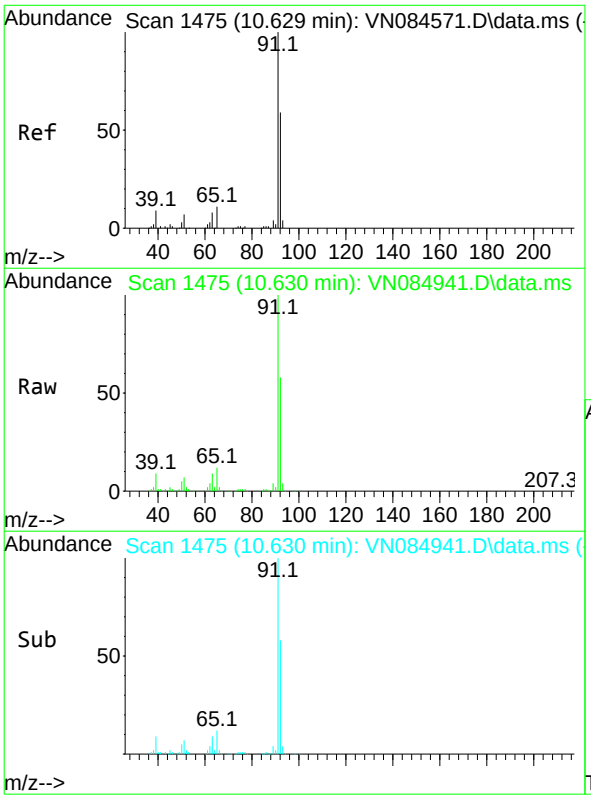
#50
Toluene-d8
Concen: 47.494 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 98 Resp: 413552

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

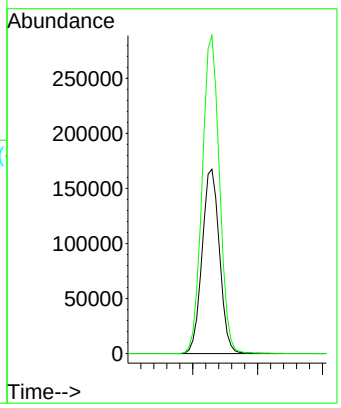


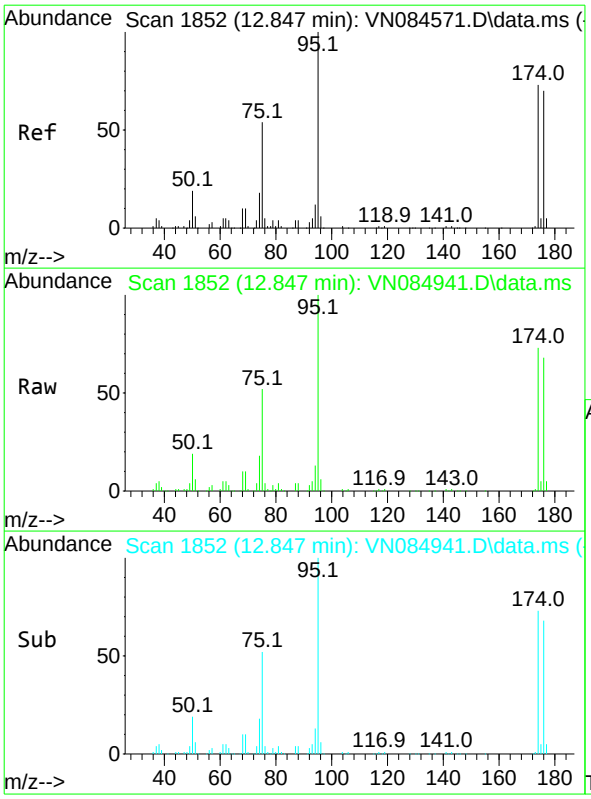


#52
Toluene
Concen: 50.684 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion: 92 Resp: 312079

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9



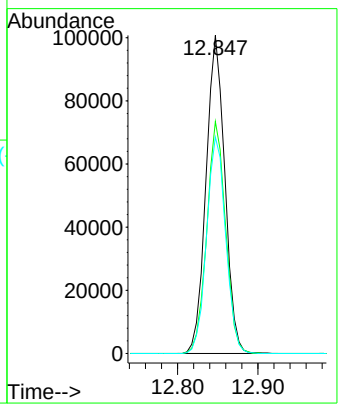


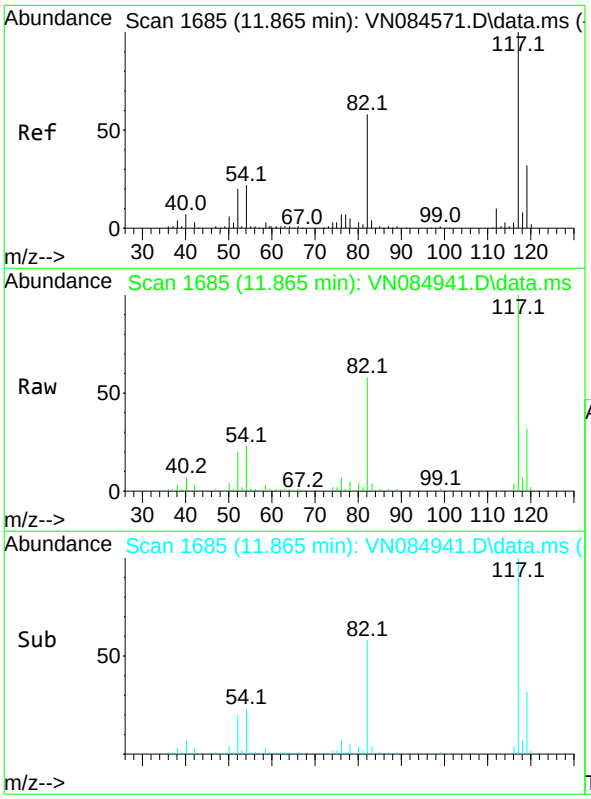
#62
4-Bromofluorobenzene
Concen: 50.294 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 95 Resp: 163672

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	145.2
176	69.1	0.0	140.0

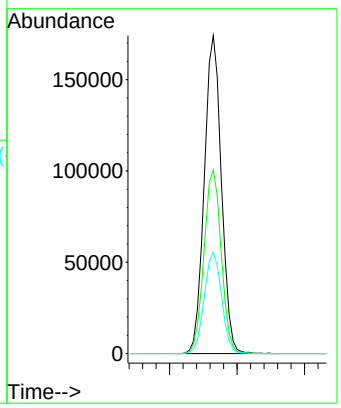


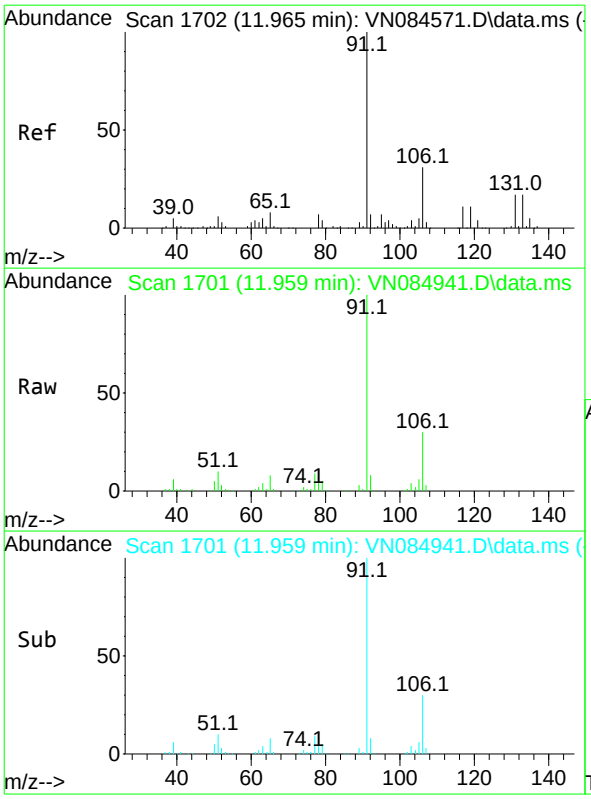


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion:117 Resp: 306335

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.2	70.8
119	31.9	25.4	38.0



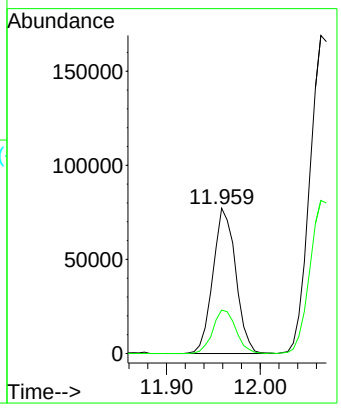


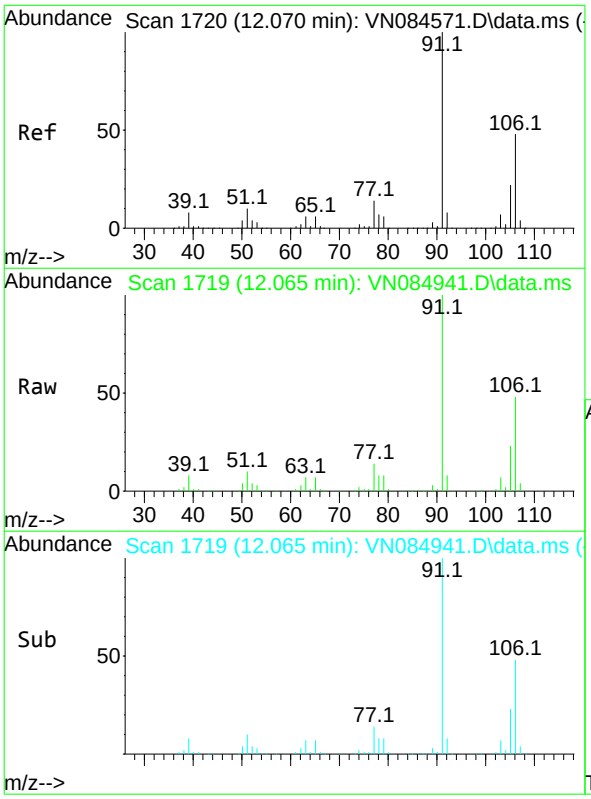
#67
Ethyl Benzene
Concen: 11.407 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 91 Resp: 130493

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.5	36.7

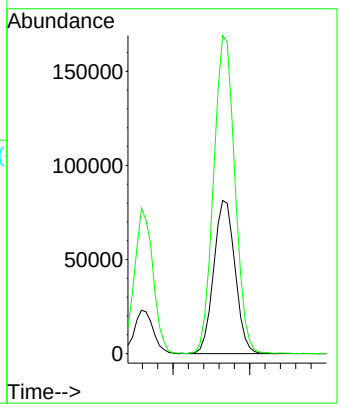


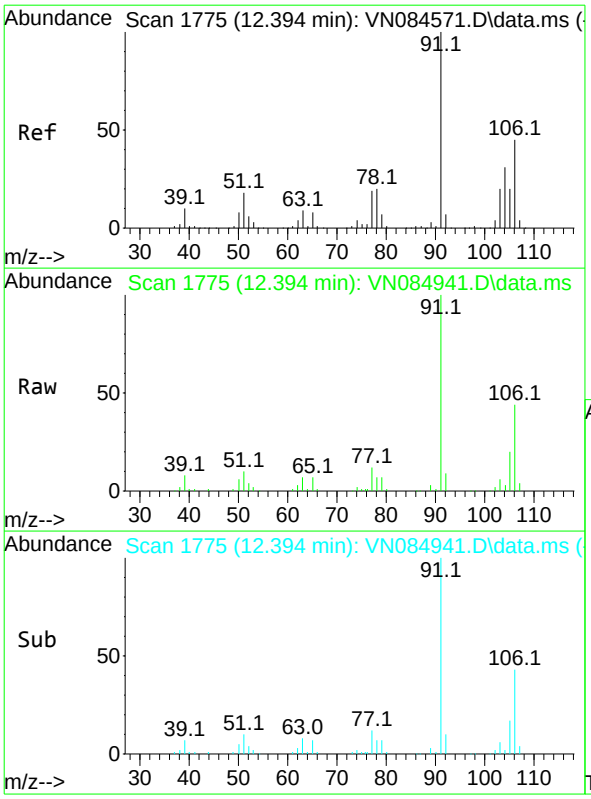


#68
m/p-Xylenes
Concen: 36.280 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion:106 Resp: 157125

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7



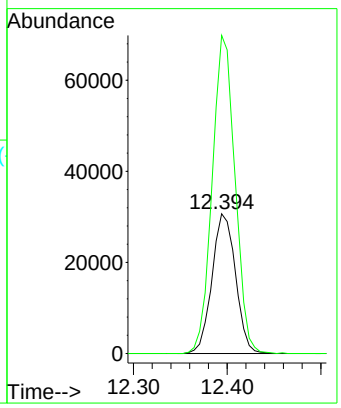


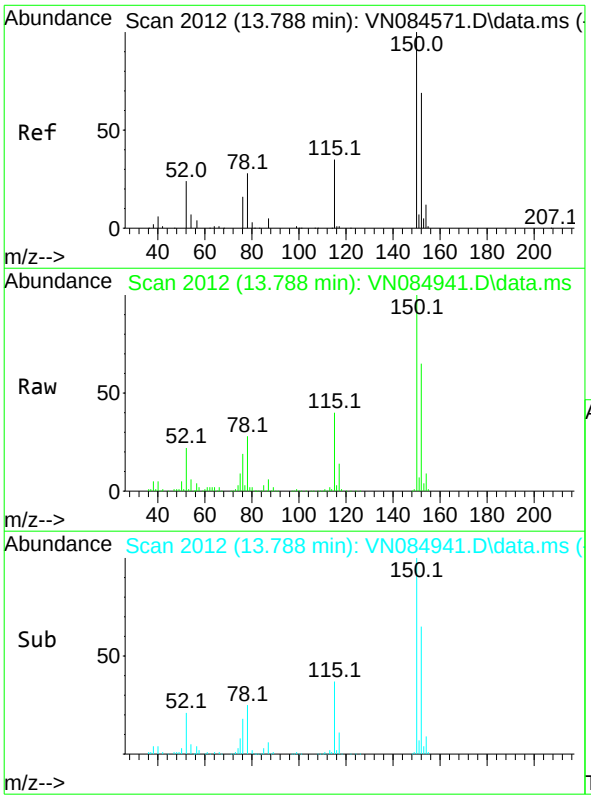
#69
o-Xylene
Concen: 13.204 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:106 Resp: 53497

Ion	Ratio	Lower	Upper
106	100		
91	220.6	110.2	330.6

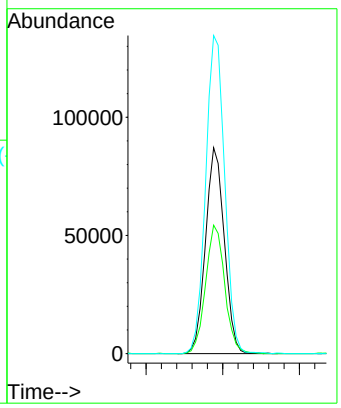


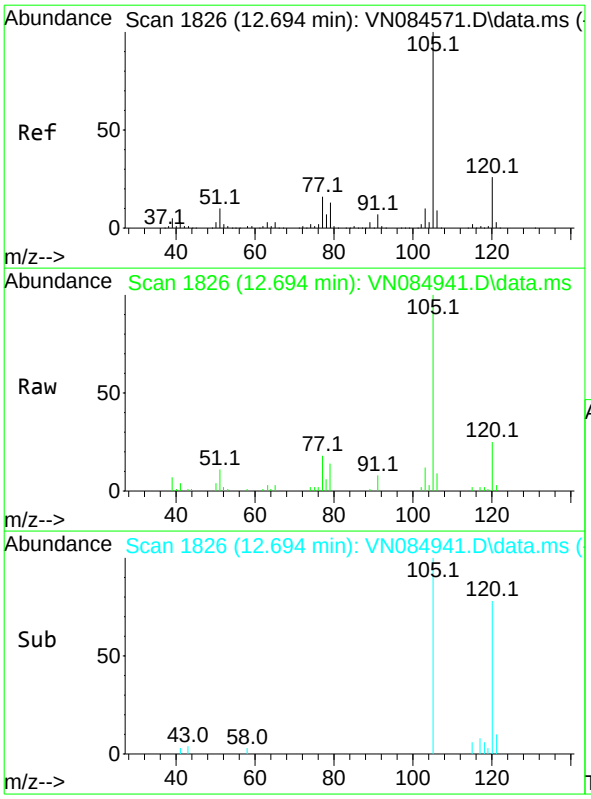


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion:152 Resp: 148014

Ion	Ratio	Lower	Upper
152	100		
115	63.8	31.3	93.9
150	156.6	0.0	349.8



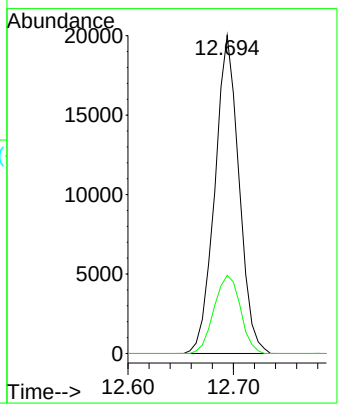


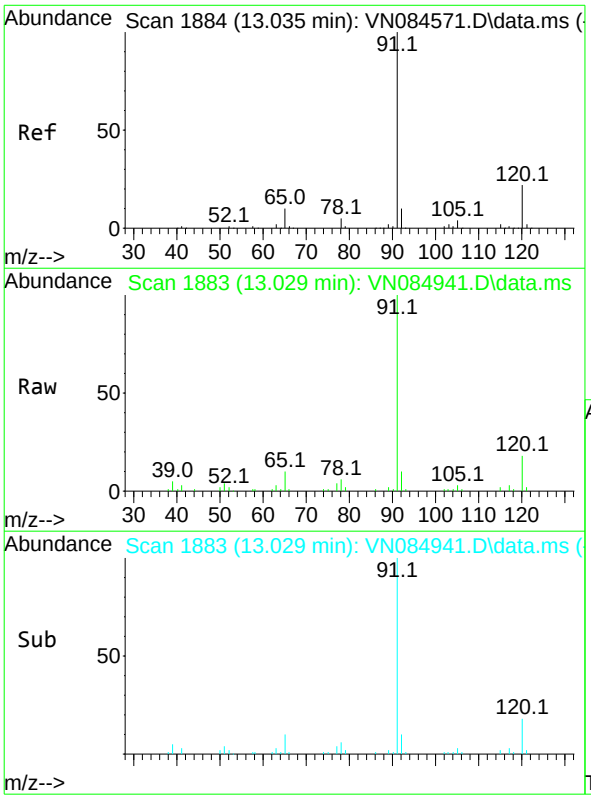
#73
Isopropylbenzene
Concen: 3.072 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:105 Resp: 31866

Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.9	38.7

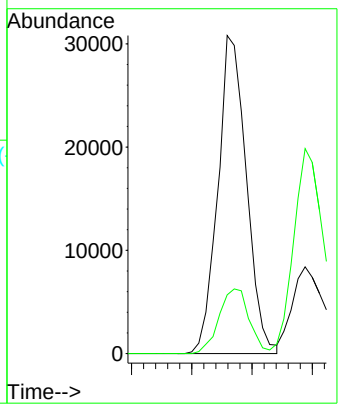


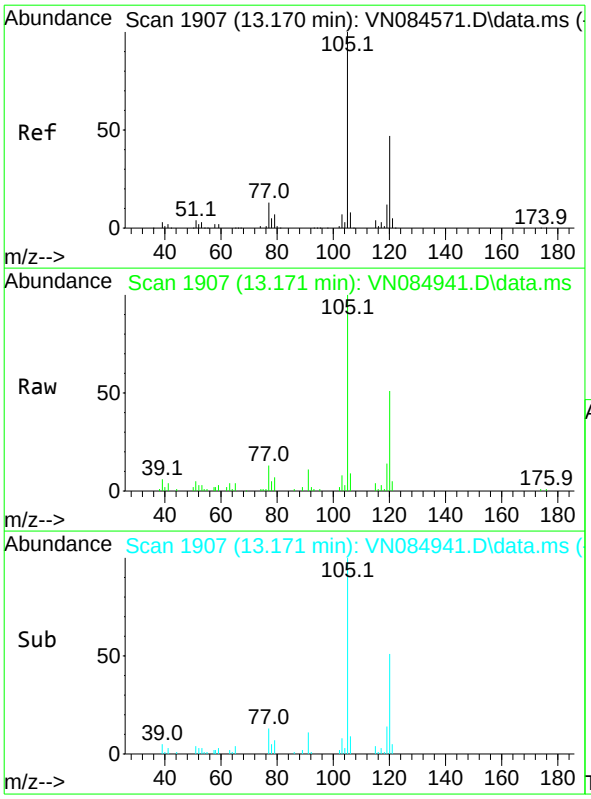


#78
n-propylbenzene
Concen: 4.174 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion: 91 Resp: 50739

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.4



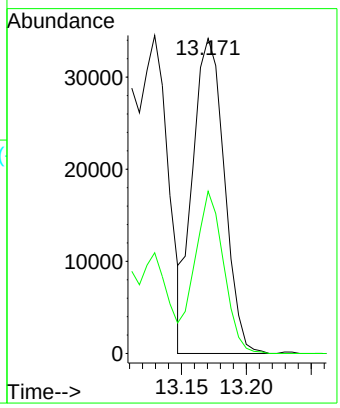


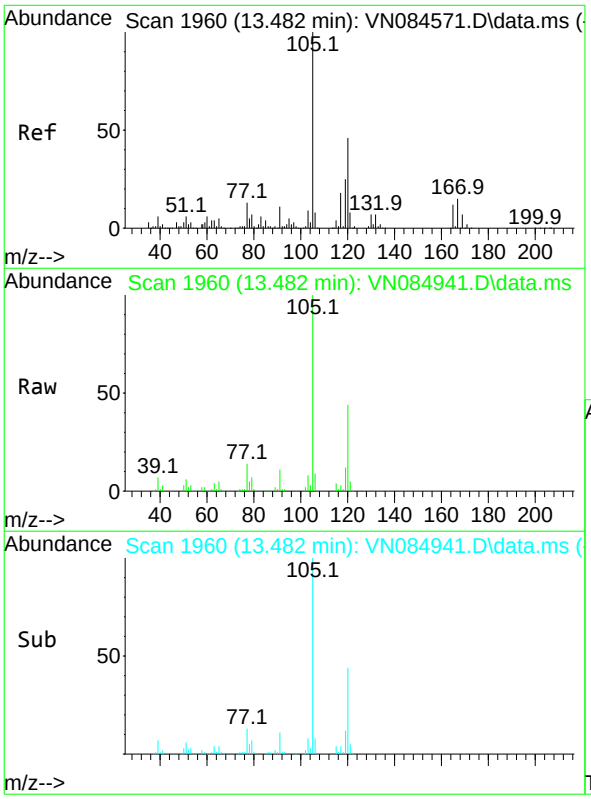
#80
1,3,5-Trimethylbenzene
Concen: 6.738 ug/l
RT: 13.171 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:105 Resp: 57924

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1

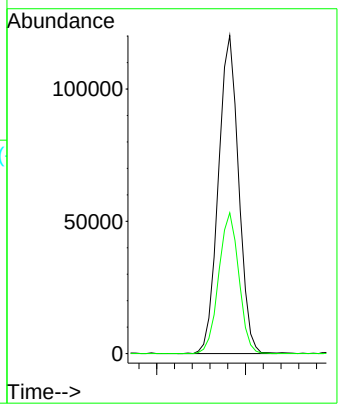


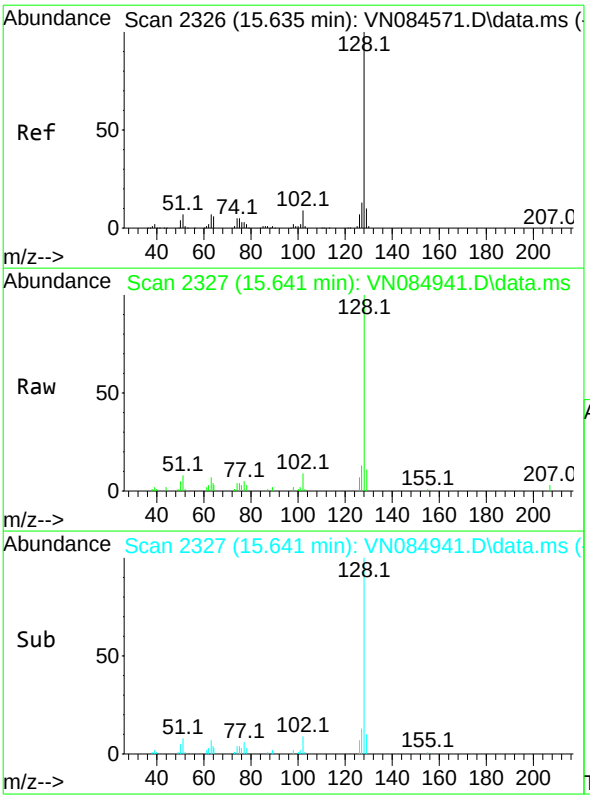


#84
1,2,4-Trimethylbenzene
Concen: 21.502 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion:105 Resp: 190785

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.3	66.8



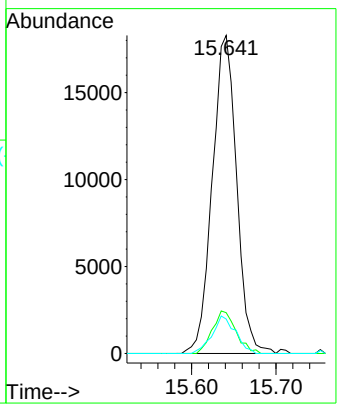


#95
Naphthalene
Concen: 4.273 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:128 Resp: 36609

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.3	8.7	13.1



Raw Data: **VN084863.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-10	SDG No.:	P4770
Lab Sample ID:	P4770-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084863.D	500		11/14/24 19:46	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/L
74-87-3	Chloromethane	180	U	180	500	ug/L
75-01-4	Vinyl Chloride	170	U	170	500	ug/L
74-83-9	Bromomethane	680	U	680	2500	ug/L
75-00-3	Chloroethane	280	U	280	500	ug/L
75-69-4	Trichlorofluoromethane	170	U	170	500	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	130	U	130	500	ug/L
75-65-0	Tert butyl alcohol	2800	U	2800	12500	ug/L
75-35-4	1,1-Dichloroethene	130	U	130	500	ug/L
67-64-1	Acetone	700	U	700	2500	ug/L
75-15-0	Carbon Disulfide	160	U	160	500	ug/L
1634-04-4	Methyl tert-butyl Ether	80.0	U	80.0	500	ug/L
79-20-9	Methyl Acetate	300	U	300	500	ug/L
75-09-2	Methylene Chloride	160	U	160	500	ug/L
156-60-5	trans-1,2-Dichloroethene	130	U	130	500	ug/L
75-34-3	1,1-Dichloroethane	120	U	120	500	ug/L
110-82-7	Cyclohexane	810	U	810	2500	ug/L
78-93-3	2-Butanone	650	U	650	2500	ug/L
56-23-5	Carbon Tetrachloride	130	U	130	500	ug/L
156-59-2	cis-1,2-Dichloroethene	130	U	130	500	ug/L
74-97-5	Bromochloromethane	90.0	U	90.0	500	ug/L
67-66-3	Chloroform	130	U	130	500	ug/L
71-55-6	1,1,1-Trichloroethane	95.0	U	95.0	500	ug/L
108-87-2	Methylcyclohexane	95.0	U	95.0	500	ug/L
71-43-2	Benzene	80.0	U	80.0	500	ug/L
107-06-2	1,2-Dichloroethane	120	U	120	500	ug/L
79-01-6	Trichloroethene	160	U	160	500	ug/L
78-87-5	1,2-Dichloropropane	95.0	U	95.0	500	ug/L
75-27-4	Bromodichloromethane	120	U	120	500	ug/L
108-10-1	4-Methyl-2-Pentanone	380	U	380	2500	ug/L

Raw Data: **VN084863.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-10	SDG No.:	P4770
Lab Sample ID:	P4770-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084863.D	500		11/14/24 19:46	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	140	J	90.0	500	ug/L
10061-02-6	t-1,3-Dichloropropene	110	U	110	500	ug/L
10061-01-5	cis-1,3-Dichloropropene	90.0	U	90.0	500	ug/L
79-00-5	1,1,2-Trichloroethane	110	U	110	500	ug/L
591-78-6	2-Hexanone	570	U	570	2500	ug/L
124-48-1	Dibromochloromethane	90.0	U	90.0	500	ug/L
106-93-4	1,2-Dibromoethane	80.0	U	80.0	500	ug/L
127-18-4	Tetrachloroethene	130	U	130	500	ug/L
108-90-7	Chlorobenzene	65.0	U	65.0	500	ug/L
100-41-4	Ethyl Benzene	80.0	U	80.0	500	ug/L
179601-23-1	m/p-Xylenes	270	J	160	1000	ug/L
95-47-6	o-Xylene	70.0	U	70.0	500	ug/L
100-42-5	Styrene	80.0	U	80.0	500	ug/L
75-25-2	Bromoform	110	U	110	500	ug/L
98-82-8	Isopropylbenzene	65.0	U	65.0	500	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	140	U	140	500	ug/L
541-73-1	1,3-Dichlorobenzene	120	U	120	500	ug/L
106-46-7	1,4-Dichlorobenzene	140	U	140	500	ug/L
95-50-1	1,2-Dichlorobenzene	95.0	U	95.0	500	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	230	U	230	500	ug/L
120-82-1	1,2,4-Trichlorobenzene	210	U	210	500	ug/L
87-61-6	1,2,3-Trichlorobenzene	260	U	260	500	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	46.2		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	8.218			
540-36-3	1,4-Difluorobenzene	301000	9.094			
3114-55-4	Chlorobenzene-d5	262000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788			

Raw Data: **VN084863.D**

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Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-10	SDG No.:	P4770
Lab Sample ID:	P4770-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084863.D	500		11/14/24 19:46	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084863.D
Acq On : 14 Nov 2024 19:46
Operator : JC\MD
Sample : P4770-03 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Quant Time: Nov 15 00:54:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	170053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	300668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118659	48.311	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.620%		
35) Dibromofluoromethane	8.165	113	95429	46.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.780%		
50) Toluene-d8	10.565	98	346208	46.180	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.360%		
62) 4-Bromofluorobenzene	12.847	95	135390	48.322	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.640%		
Target Compounds						Qvalue
52) Toluene	10.629	92	1518	0.286	ug/l	80
68) m/p-Xylenes	12.065	106	1983	0.536	ug/l #	71
78) n-propylbenzene	13.029	91	3937	0.389	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	2778	0.388	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	9830	1.330	ug/l	96
95) Naphthalene	15.635	128	3240	0.454	ug/l #	87

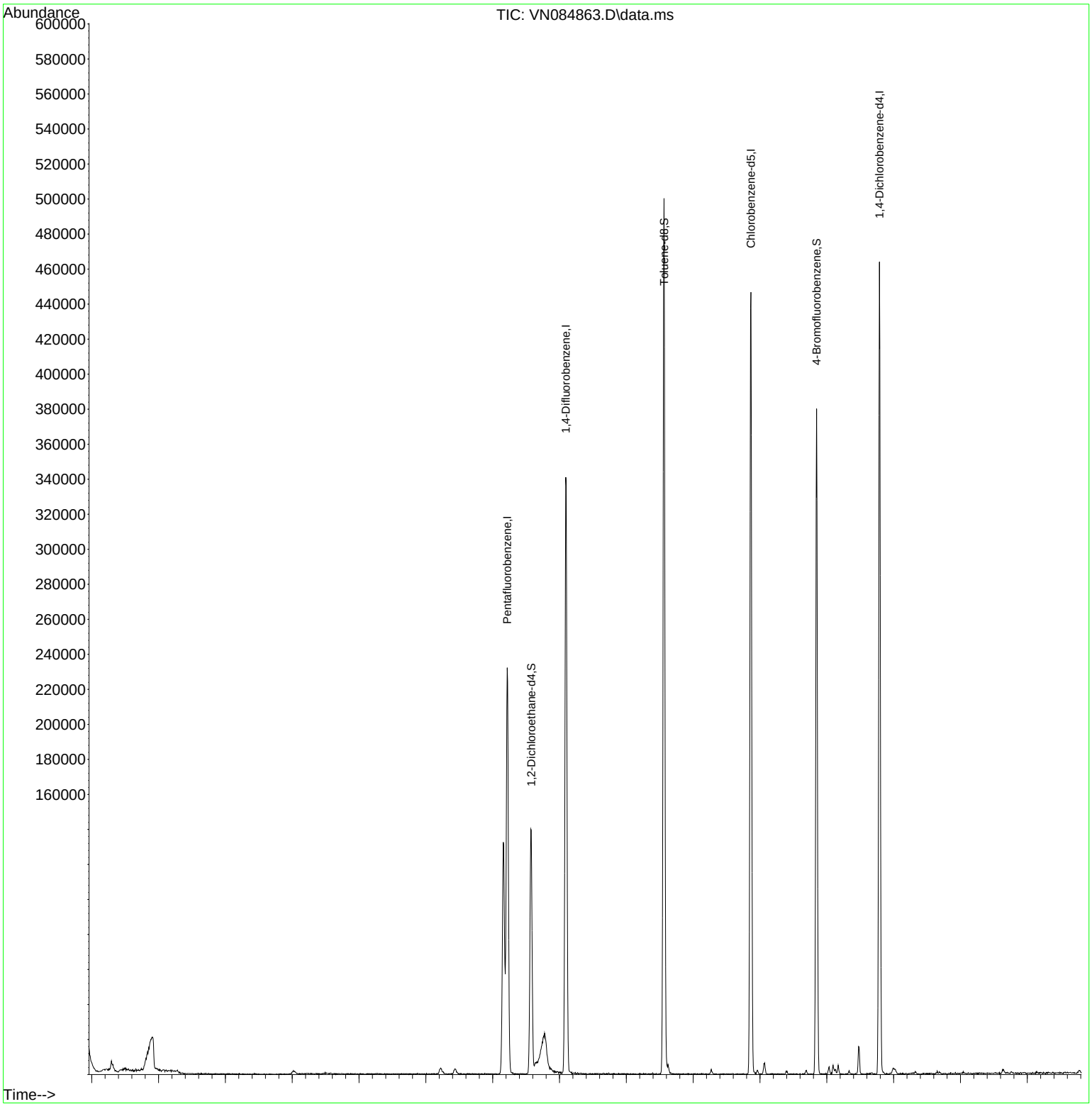
(#) = qualifier out of range (m) = manual integration (+) = signals summed

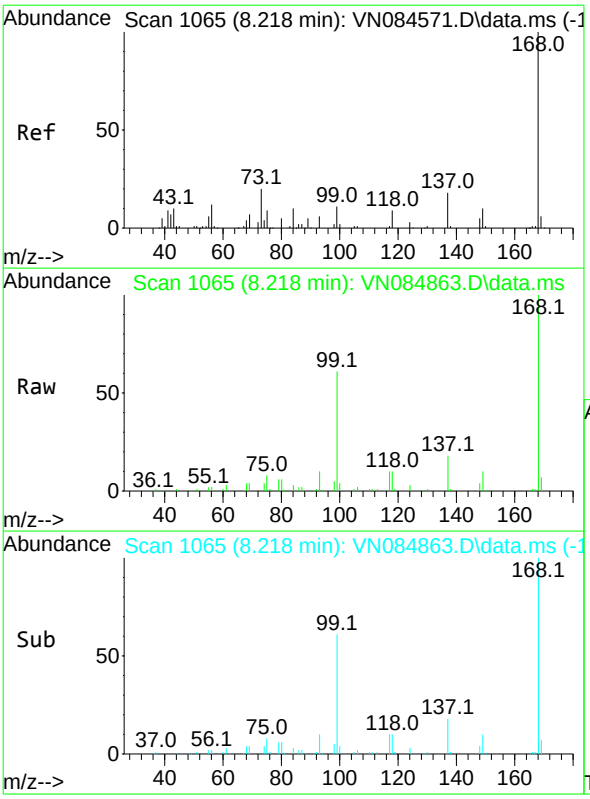
Sample Results: **VN084863.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084863.D
Acq On : 14 Nov 2024 19:46
Operator : JC\MD
Sample : P4770-03 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Quant Time: Nov 15 00:54:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



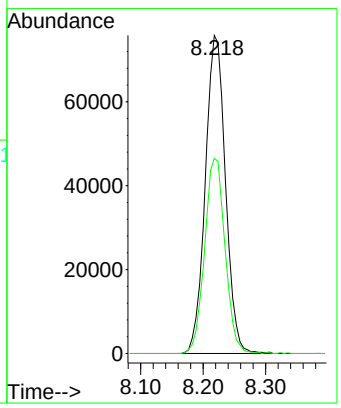


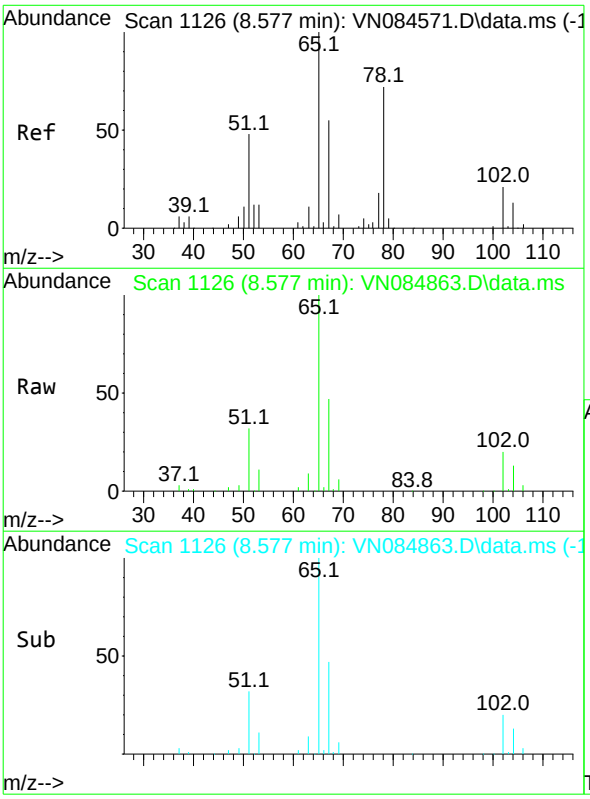
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion:168 Resp: 170053

Ion	Ratio	Lower	Upper
168	100		
99	61.4	54.2	81.2

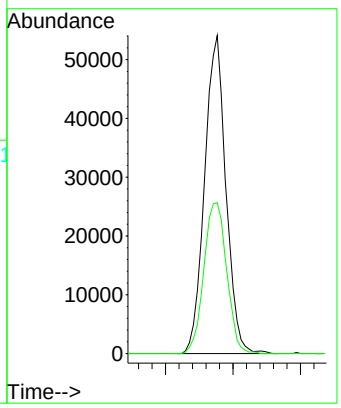


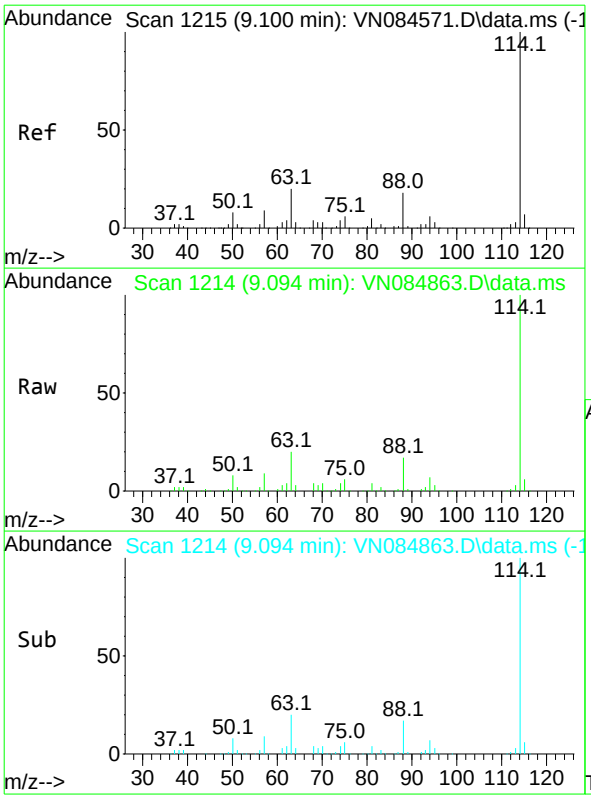


#33
1,2-Dichloroethane-d4
Concen: 48.311 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion: 65 Resp: 118659

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0



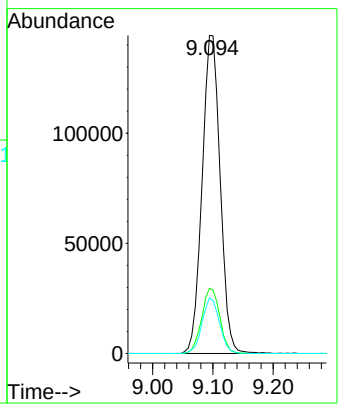


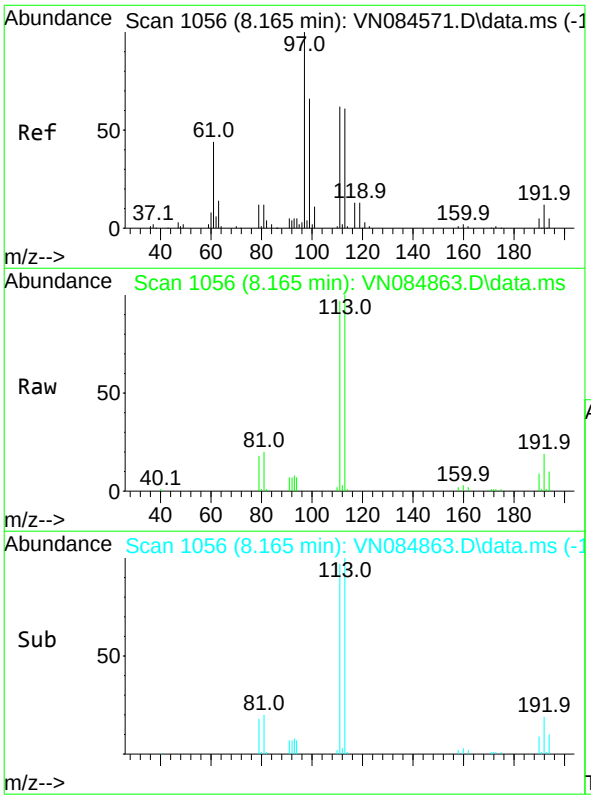
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion:114 Resp: 300668

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.8
88	17.5	0.0	31.6

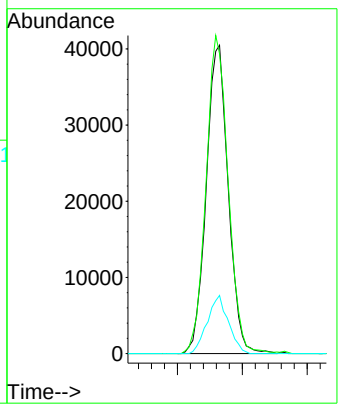


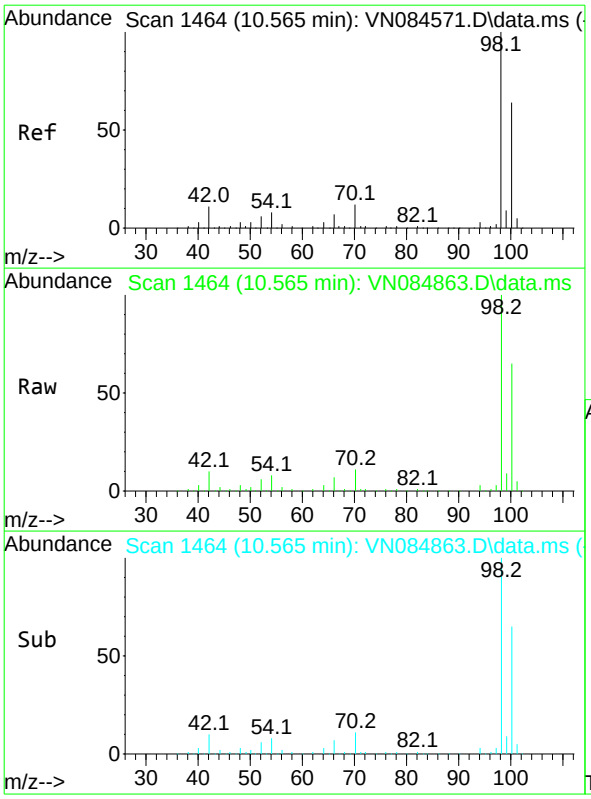


#35
Dibromofluoromethane
Concen: 46.890 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion:113 Resp: 95429

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.3	124.9
192	18.0	13.5	20.3



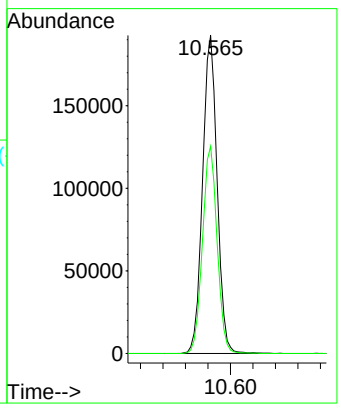


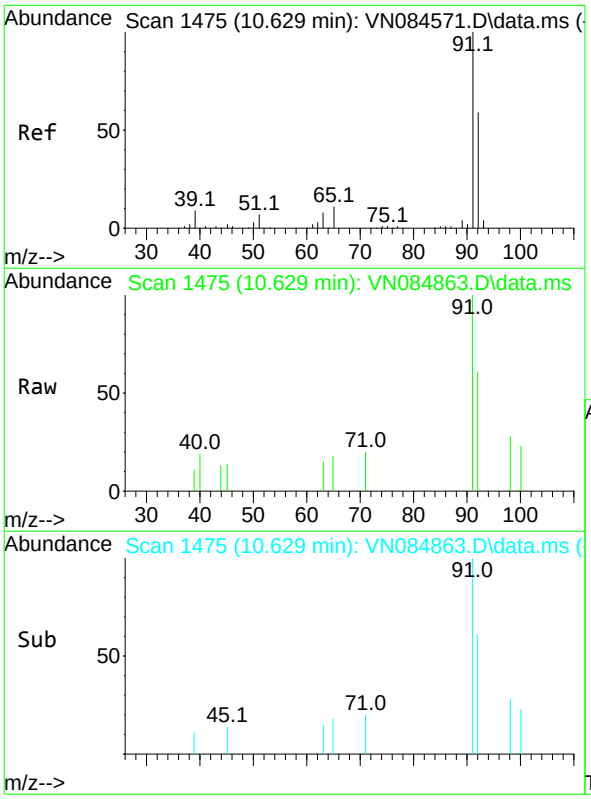
#50
Toluene-d8
Concen: 46.180 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion: 98 Resp: 346208

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

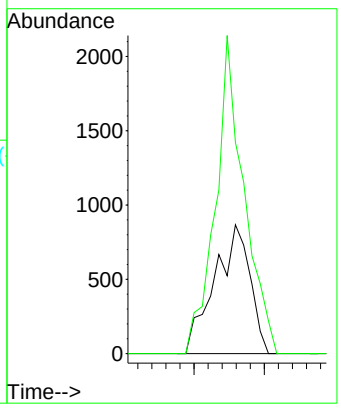


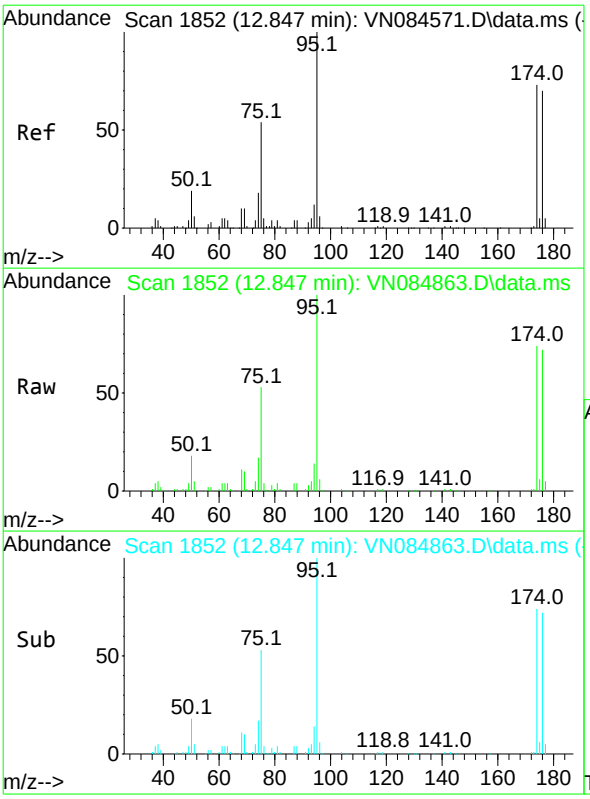


#52
Toluene
Concen: 0.286 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion: 92 Resp: 1518

Ion	Ratio	Lower	Upper
92	100		
91	198.9	137.3	205.9



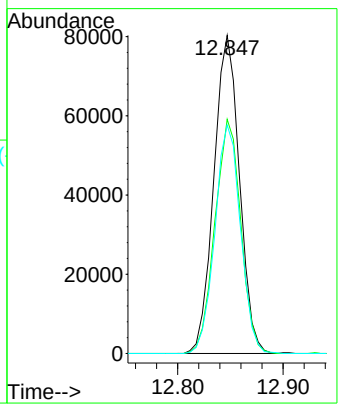


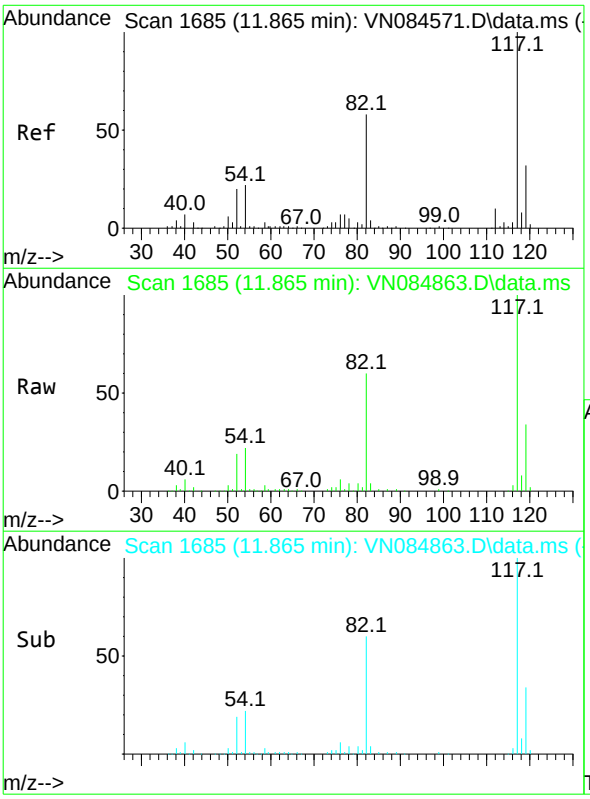
#62
4-Bromofluorobenzene
Concen: 48.322 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion: 95 Resp: 135390

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	145.2
176	71.8	0.0	140.0

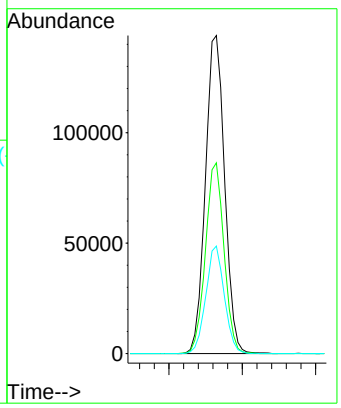


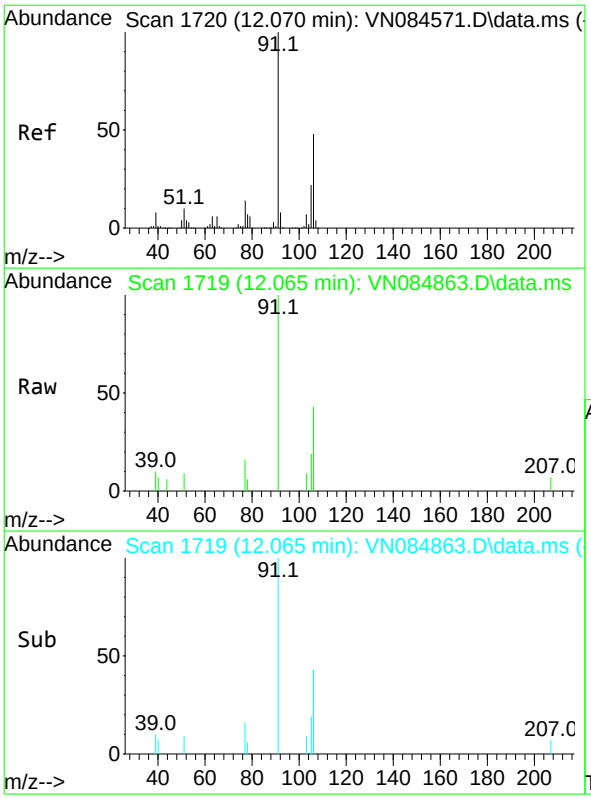


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion:117 Resp: 261851

Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.2	70.8
119	33.8	25.4	38.0



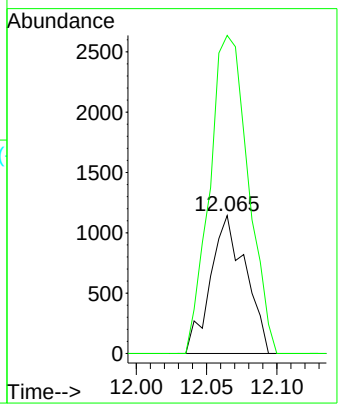


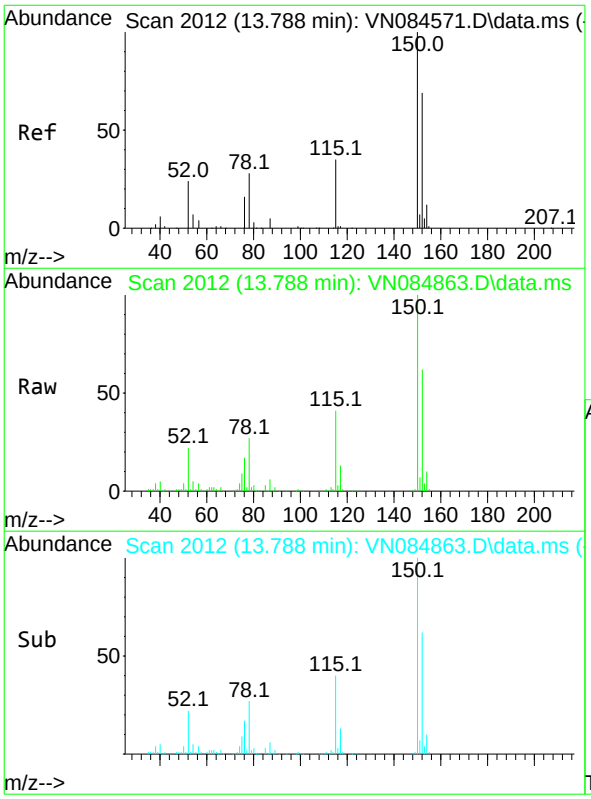
#68
m/p-Xylenes
Concen: 0.536 ug/l
RT: 12.065 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion:106 Resp: 1983

Ion	Ratio	Lower	Upper
106	100		
91	254.1	167.1	250.7#

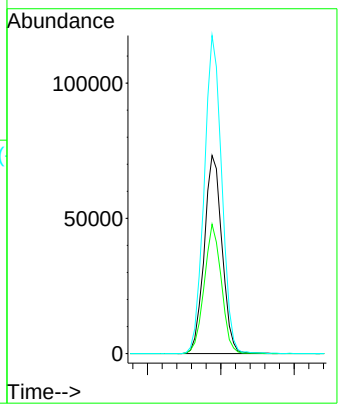


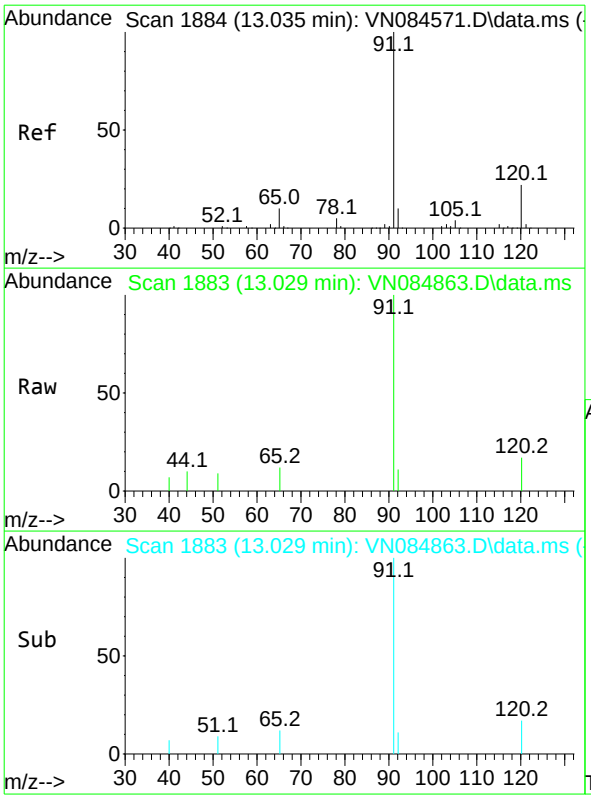


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion:152 Resp: 123285

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.3	93.9
150	158.5	0.0	349.8



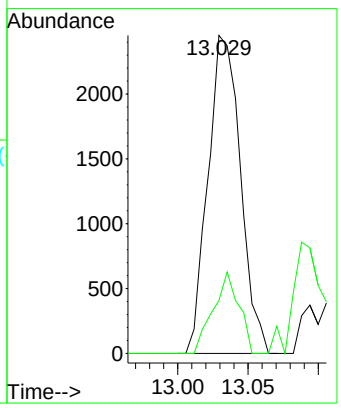


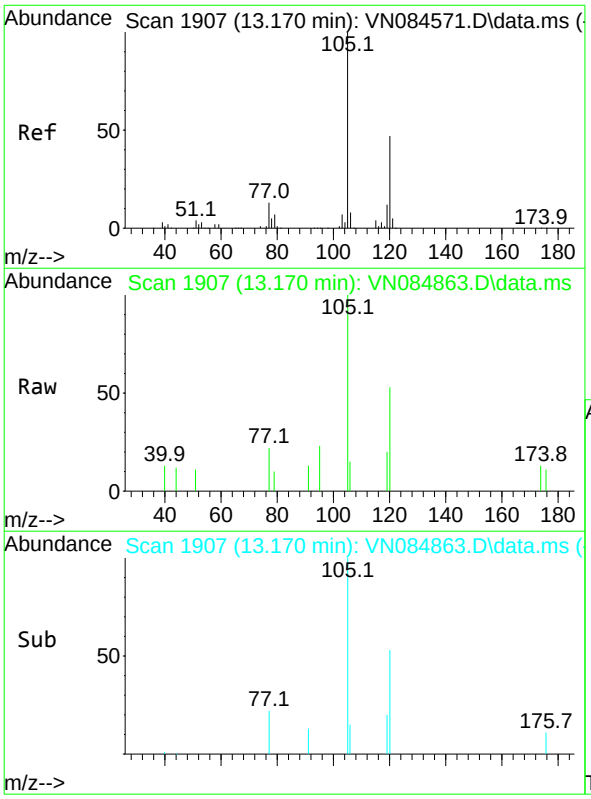
#78
n-propylbenzene
Concen: 0.389 ug/l
RT: 13.029 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion: 91 Resp: 3937

Ion	Ratio	Lower	Upper
91	100		
120	20.2	10.8	32.4

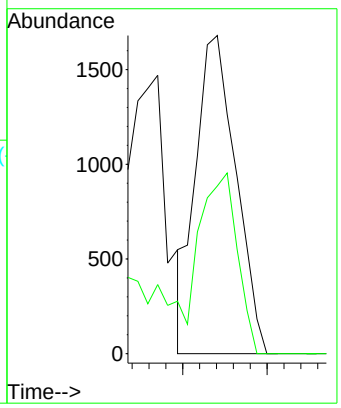


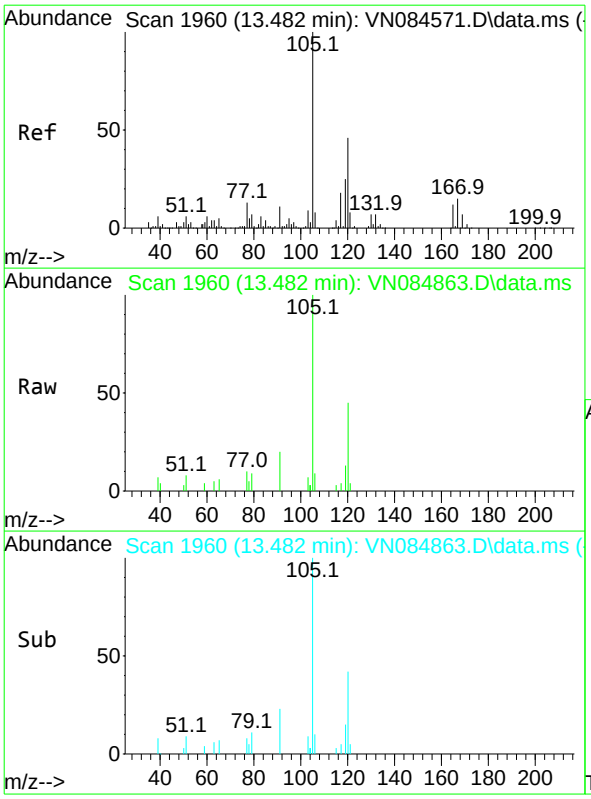


#80
1,3,5-Trimethylbenzene
Concen: 0.388 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion:105 Resp: 2778

Ion	Ratio	Lower	Upper
105	100		
120	51.9	23.7	71.1



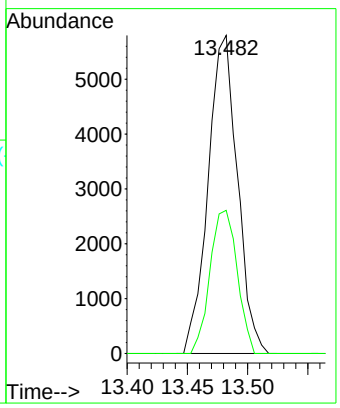


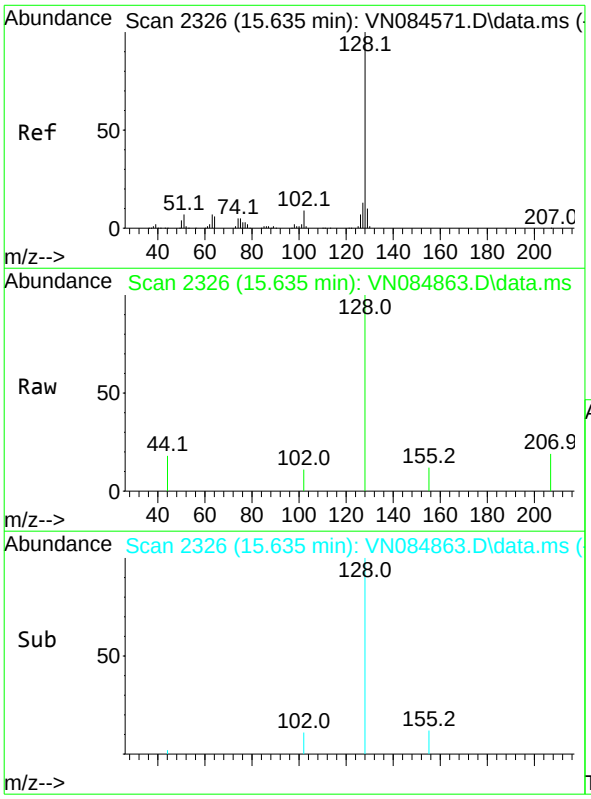
#84
1,2,4-Trimethylbenzene
Concen: 1.330 ug/l
RT: 13.482 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion:105 Resp: 9830

Ion	Ratio	Lower	Upper
105	100		
120	41.7	22.3	66.8

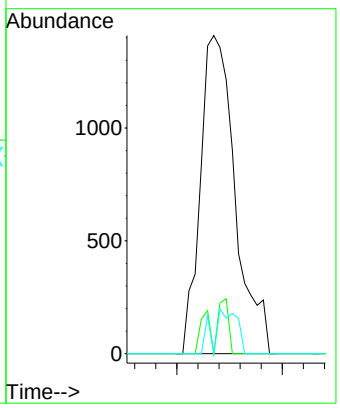




#95
Naphthalene
Concen: 0.454 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion:128 Resp: 3240

Ion	Ratio	Lower	Upper
128	100		
127	5.1	10.5	15.7#
129	9.3	8.7	13.1



Raw Data: **VN084830.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	FIELD-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084830.D	1		11/13/24 16:47	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	UQ	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	FIELD-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084830.D	1		11/13/24 16:47	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	46.4		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	8.218			
540-36-3	1,4-Difluorobenzene	285000	9.1			
3114-55-4	Chlorobenzene-d5	254000	11.864			
3855-82-1	1,4-Dichlorobenzene-d4	114000	13.788			

Raw Data: **VN084830.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	FIELD-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084830.D	1		11/13/24 16:47	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084830.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084830.D
Acq On : 13 Nov 2024 16:47
Operator : JC\MD
Sample : P4770-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Quant Time: Nov 14 00:38:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	165362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	254102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	116307	48.697	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.400%		
35) Dibromofluoromethane	8.165	113	93767	48.566	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.140%		
50) Toluene-d8	10.565	98	330214	46.430	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.860%		
62) 4-Bromofluorobenzene	12.847	95	127227	47.865	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.740%		

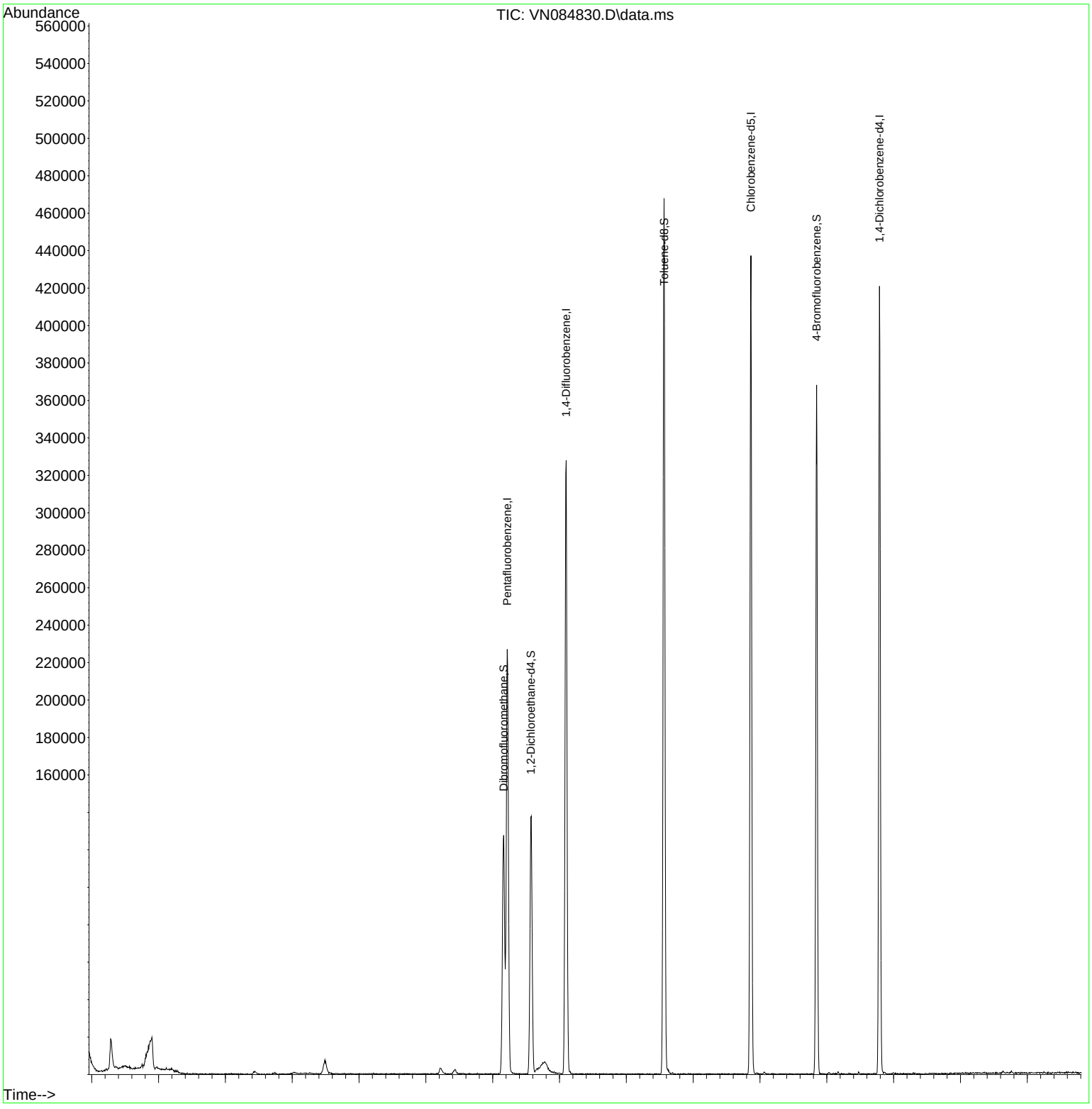
Target Compounds Qvalue

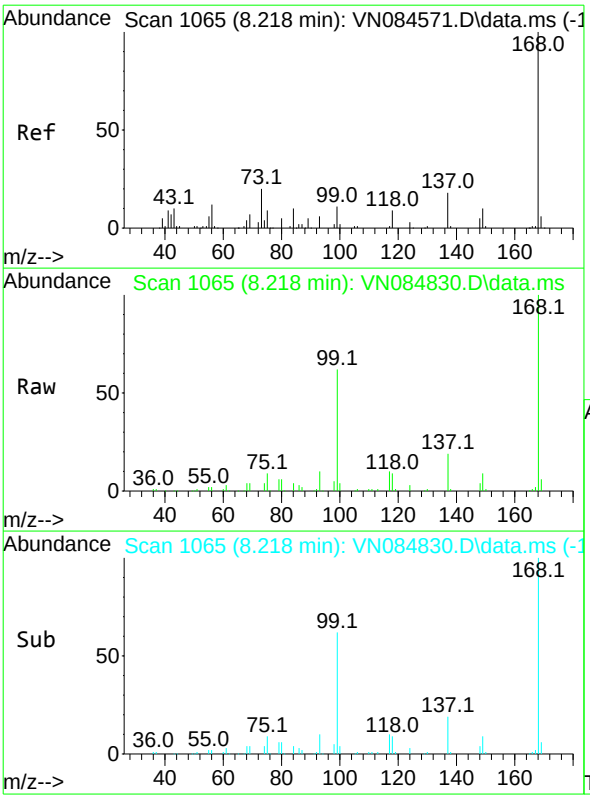
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084830.D
Acq On : 13 Nov 2024 16:47
Operator : JC\MD
Sample : P4770-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Quant Time: Nov 14 00:38:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



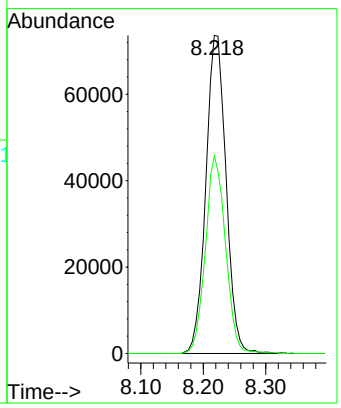


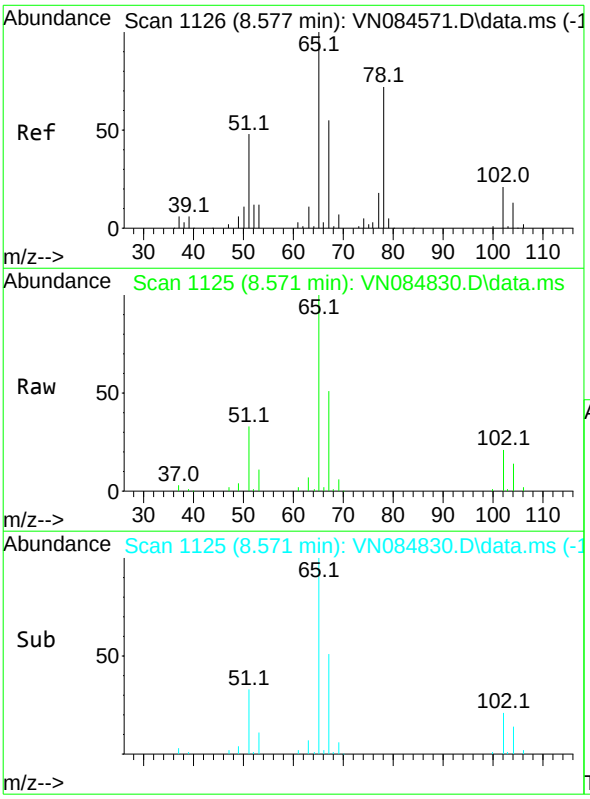
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:168 Resp: 165362

Ion	Ratio	Lower	Upper
168	100		
99	62.1	54.2	81.2

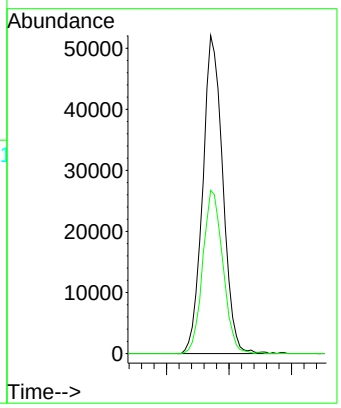


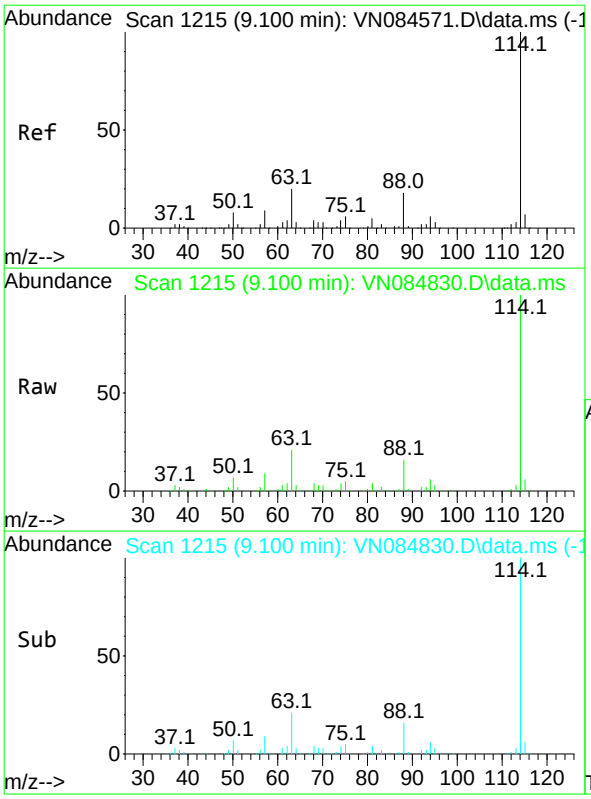


#33
1,2-Dichloroethane-d4
Concen: 48.697 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Tgt Ion: 65 Resp: 116307

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.0



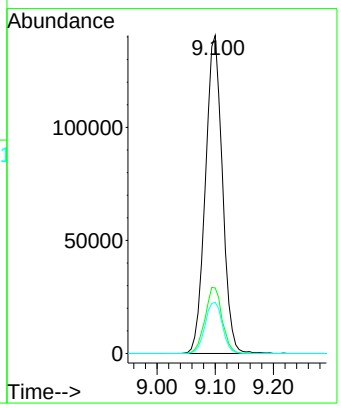


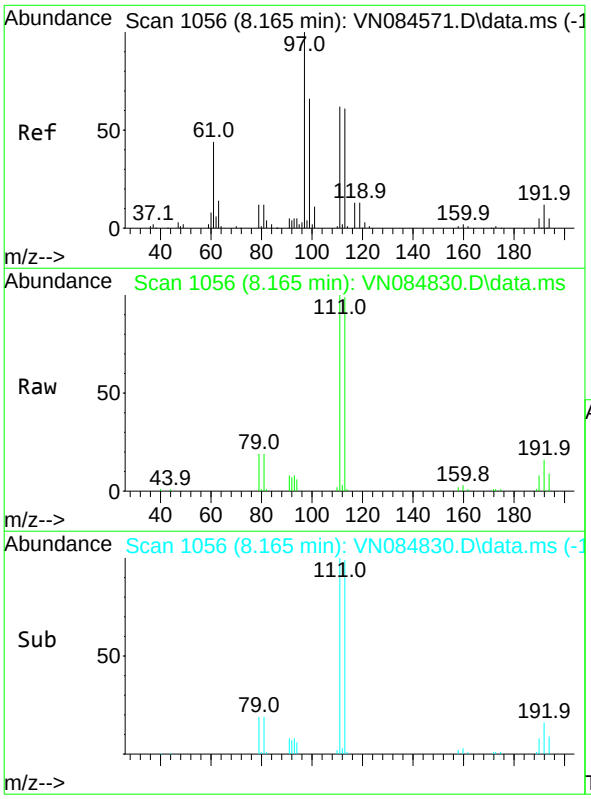
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:114 Resp: 285235

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.8
88	16.1	0.0	31.6

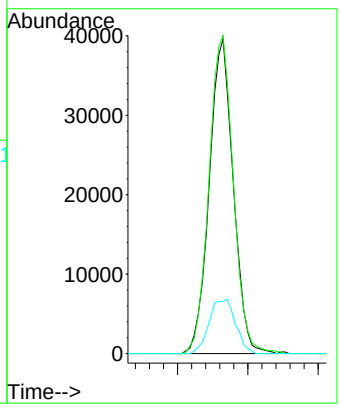


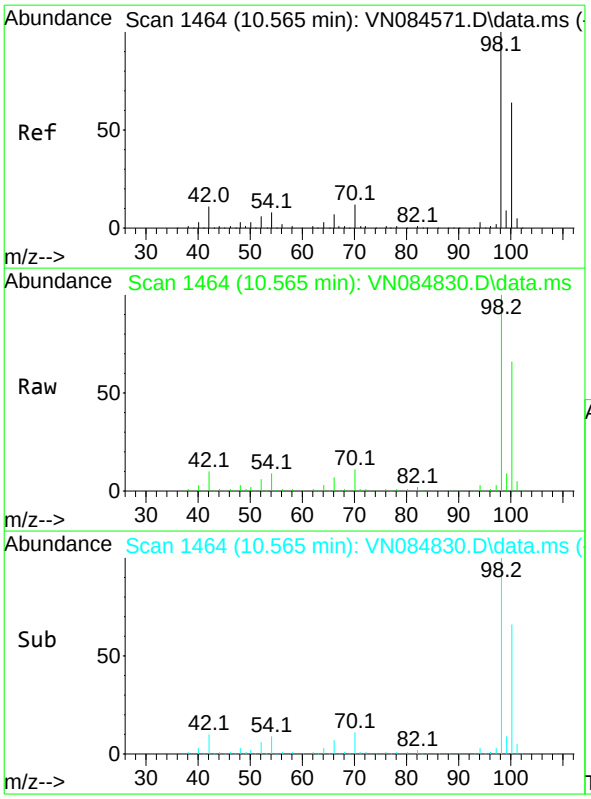


#35
Dibromofluoromethane
Concen: 48.566 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Tgt Ion:113 Resp: 93767

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	18.9	13.5	20.3



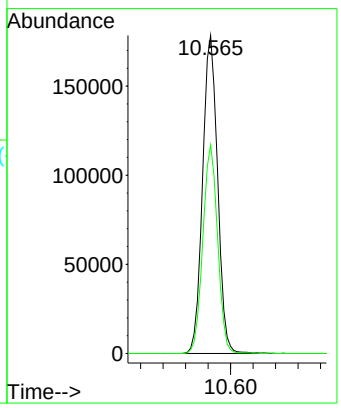


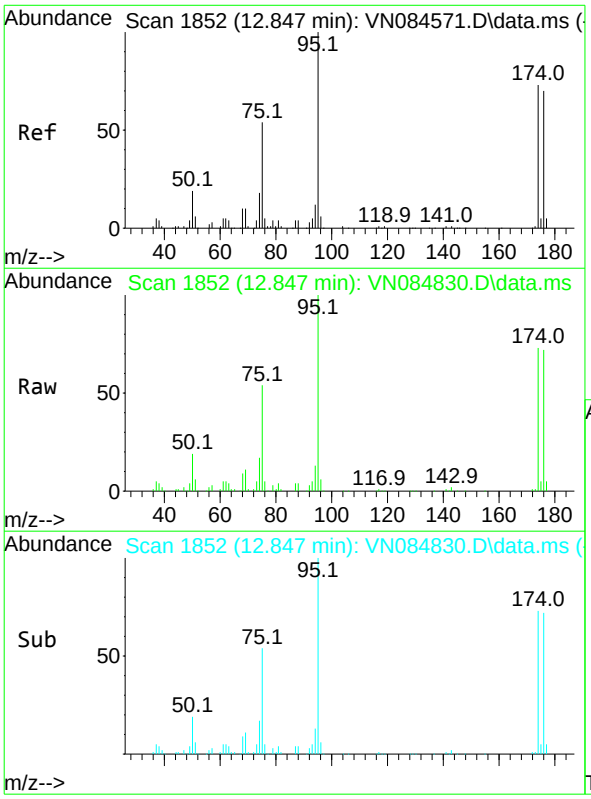
#50
Toluene-d8
Concen: 46.430 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion: 98 Resp: 330214

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

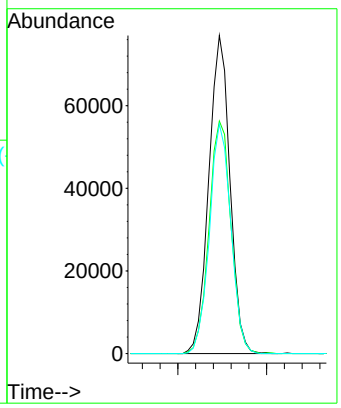


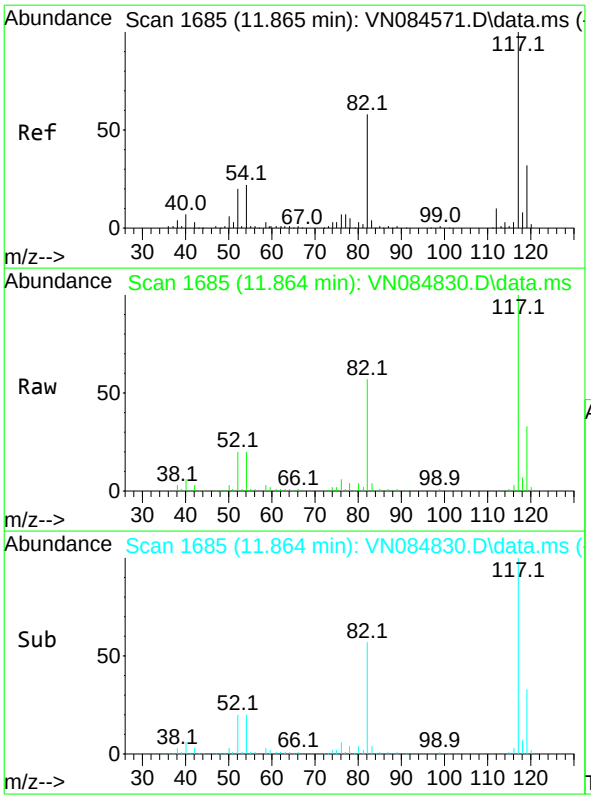


#62
4-Bromofluorobenzene
Concen: 47.865 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Tgt Ion: 95 Resp: 127227

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	145.2
176	73.1	0.0	140.0



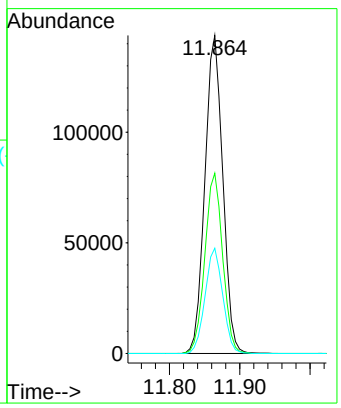


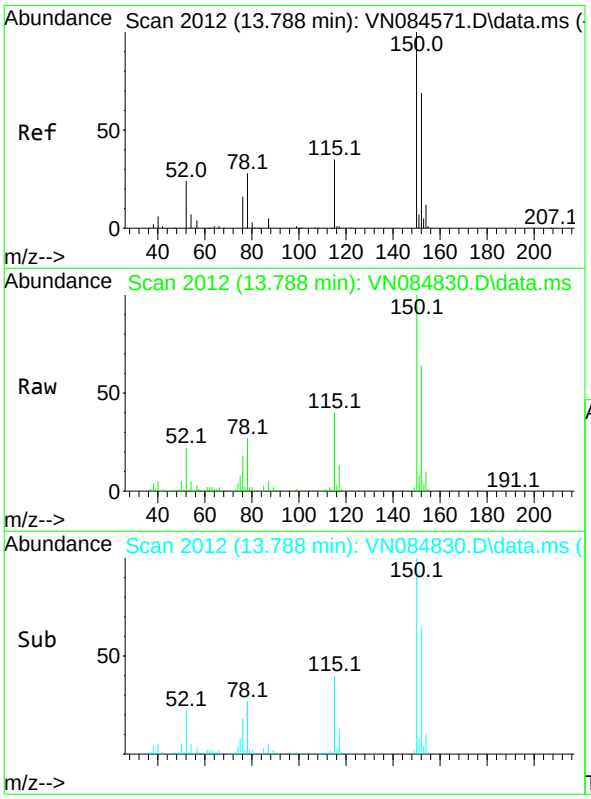
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 16
Delta R.T. -0.001 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:117 Resp: 254102

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.2	70.8
119	33.1	25.4	38.0

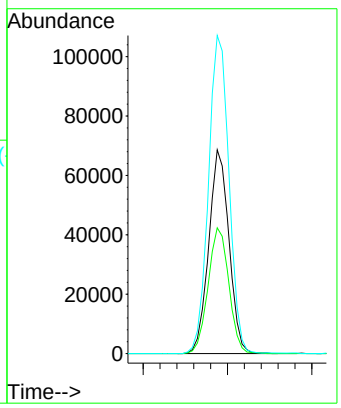




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Tgt Ion:152 Resp: 114393

Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.3	93.9
150	157.9	0.0	349.8



Raw Data: **VN084832.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	TRIP-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084832.D	1		11/13/24 17:35	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	UQ	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	TRIP-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084832.D	1		11/13/24 17:35	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	47.1		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	8.218			
540-36-3	1,4-Difluorobenzene	277000	9.1			
3114-55-4	Chlorobenzene-d5	246000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.788			

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	TRIP-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084832.D	1		11/13/24 17:35	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084832.D
Acq On : 13 Nov 2024 17:35
Operator : JC\MD
Sample : P4770-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Quant Time: Nov 14 00:39:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	162509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	277494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	113469	48.343	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.680%		
35) Dibromofluoromethane	8.159	113	93572	49.817	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.640%		
50) Toluene-d8	10.565	98	325730	47.077	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.160%		
62) 4-Bromofluorobenzene	12.847	95	118884	45.974	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.940%		

Target Compounds Qvalue

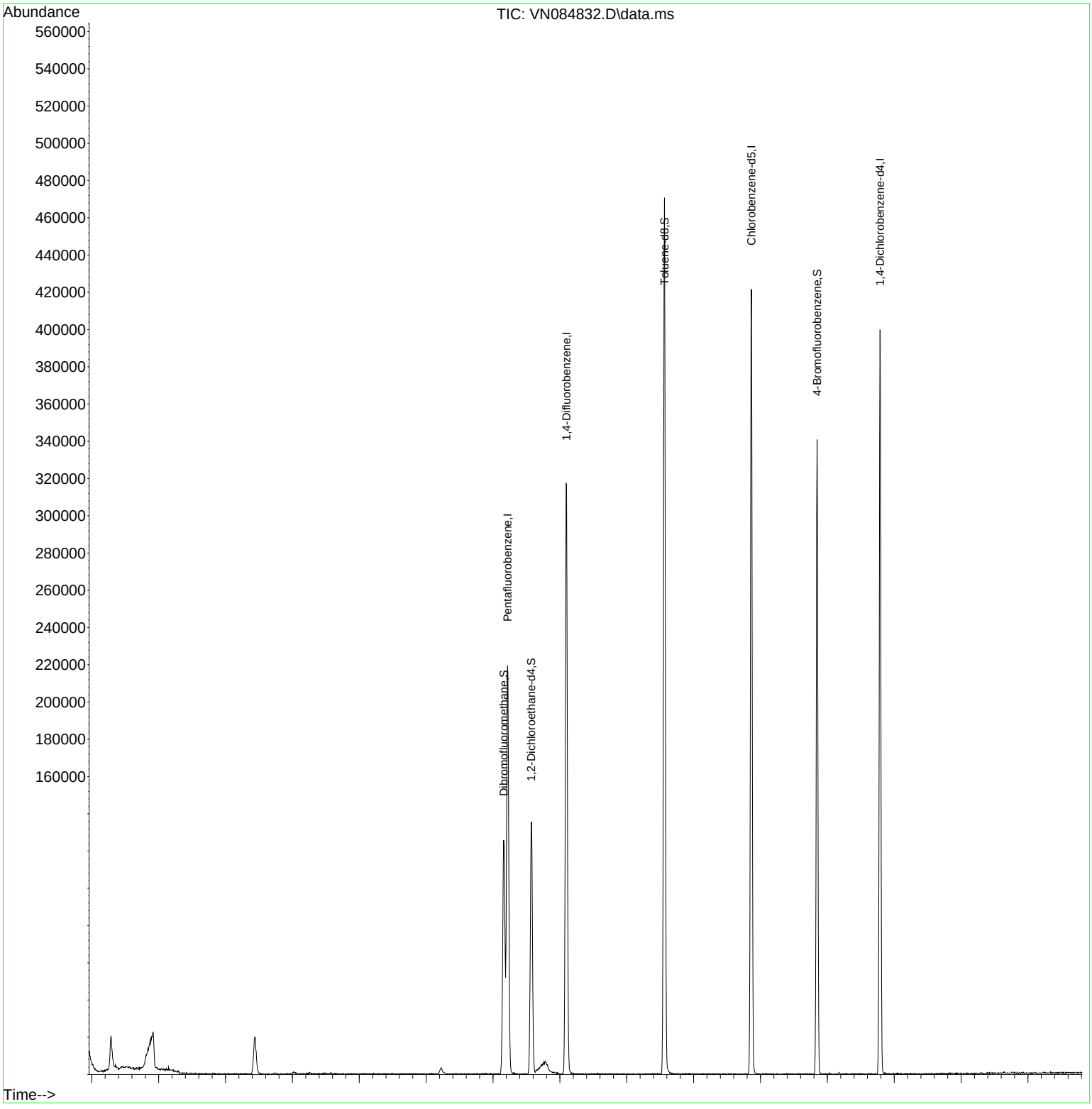
(#) = qualifier out of range (m) = manual integration (+) = signals summed

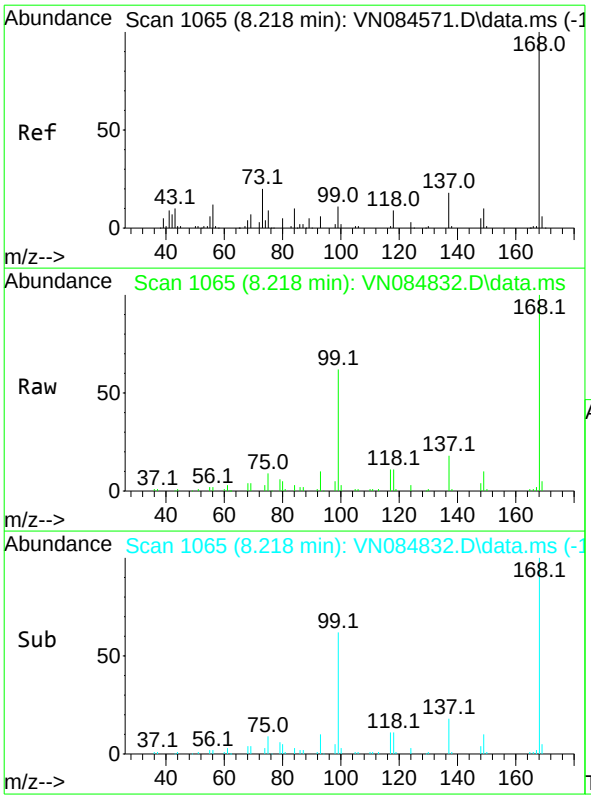
Sample Results: **VN084832.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084832.D
Acq On : 13 Nov 2024 17:35
Operator : JC\MD
Sample : P4770-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Quant Time: Nov 14 00:39:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



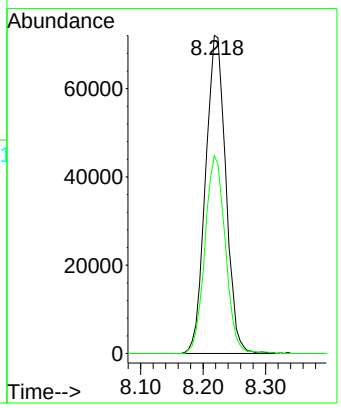


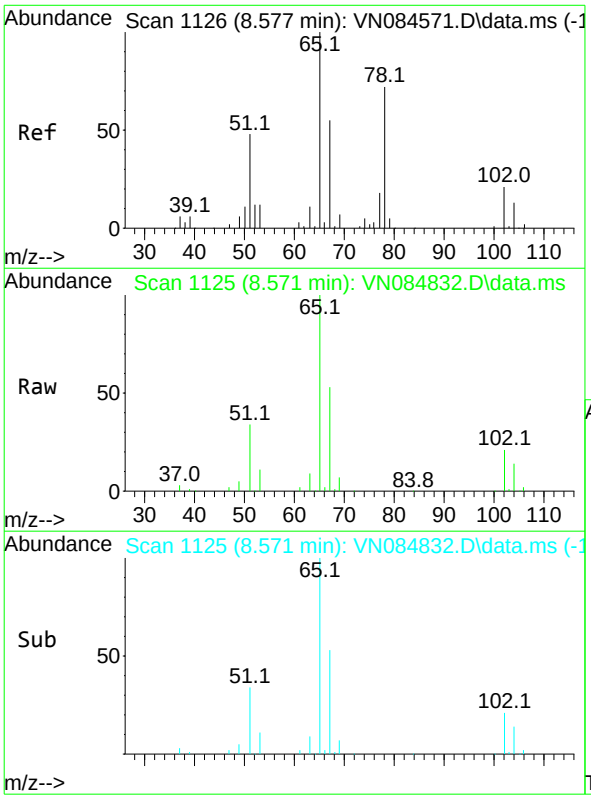
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion:168 Resp: 162509

Ion	Ratio	Lower	Upper
168	100		
99	62.2	54.2	81.2

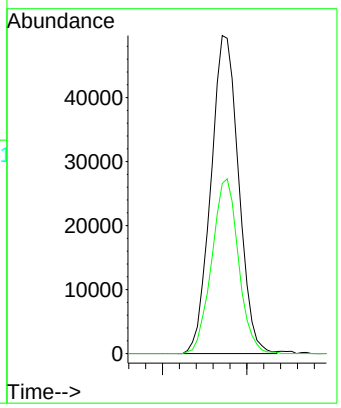


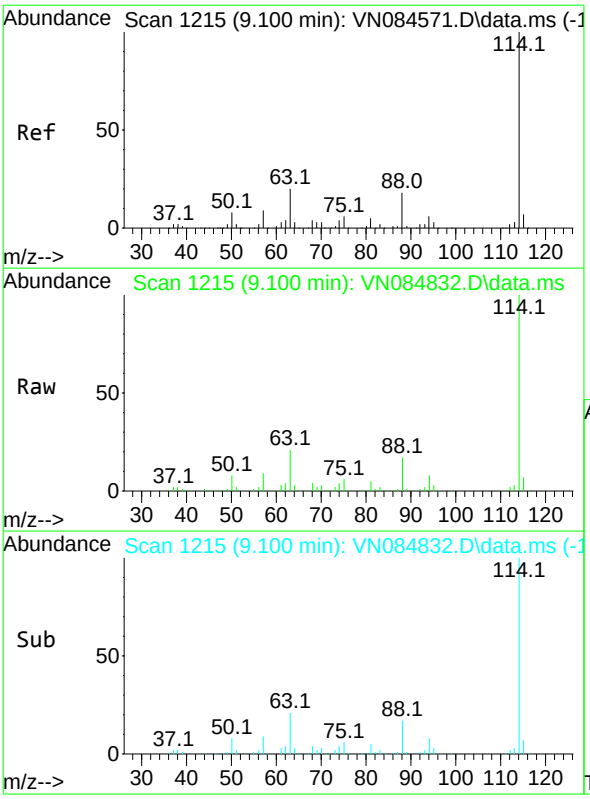


#33
1,2-Dichloroethane-d4
Concen: 48.343 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Tgt Ion: 65 Resp: 113469

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.0



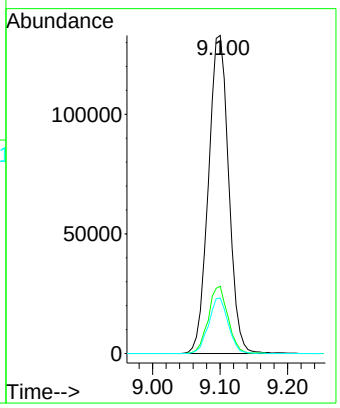


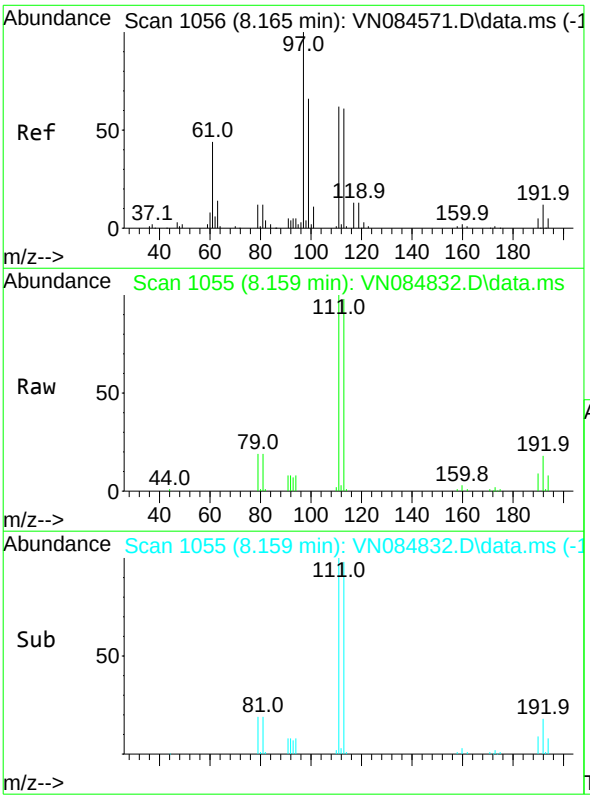
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion:114 Resp: 277494

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	17.4	0.0	31.6

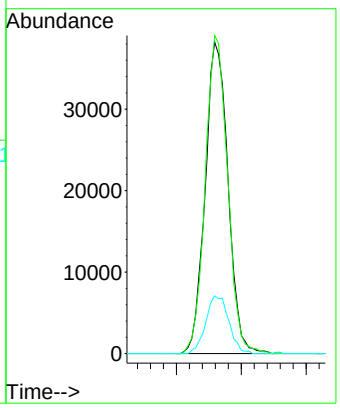


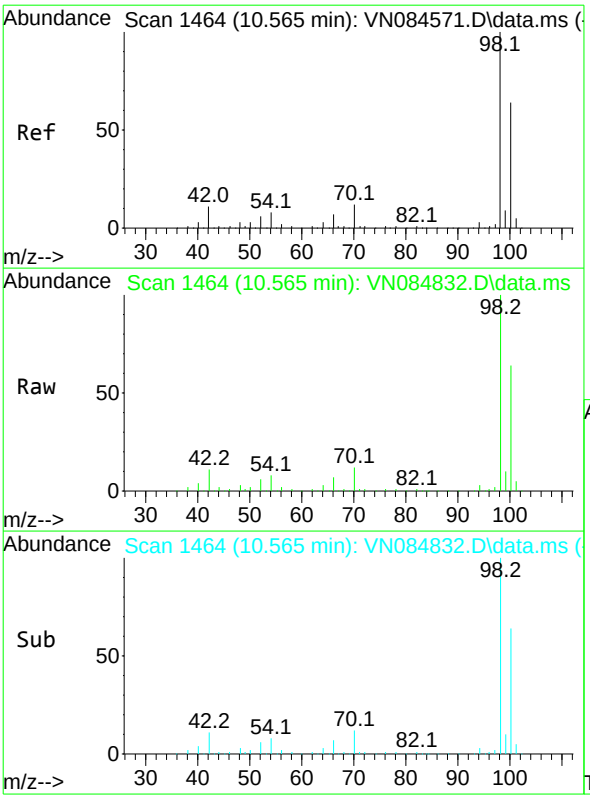


#35
Dibromofluoromethane
Concen: 49.817 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Tgt Ion:113 Resp: 93572

Ion	Ratio	Lower	Upper
113	100		
111	99.8	83.3	124.9
192	18.6	13.5	20.3



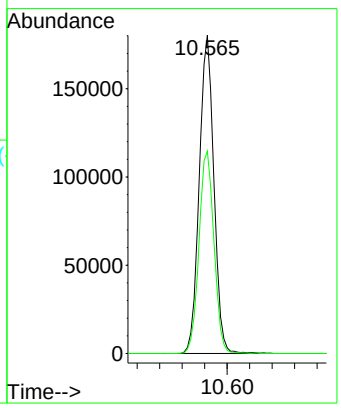


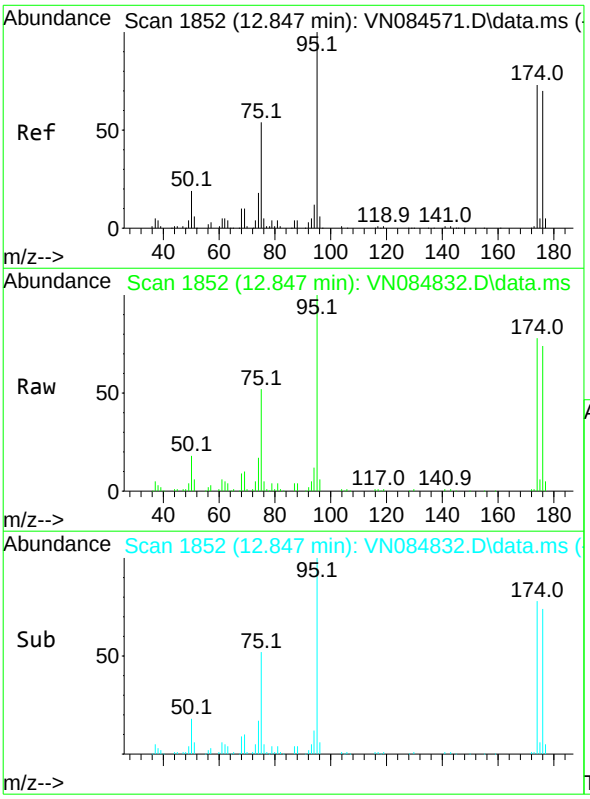
#50
Toluene-d8
Concen: 47.077 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion: 98 Resp: 325730

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

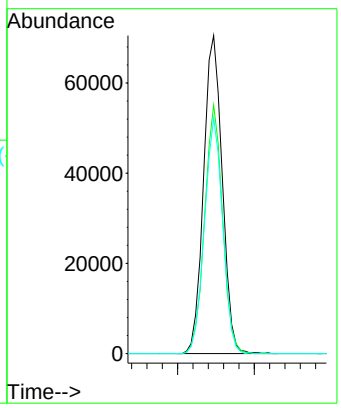


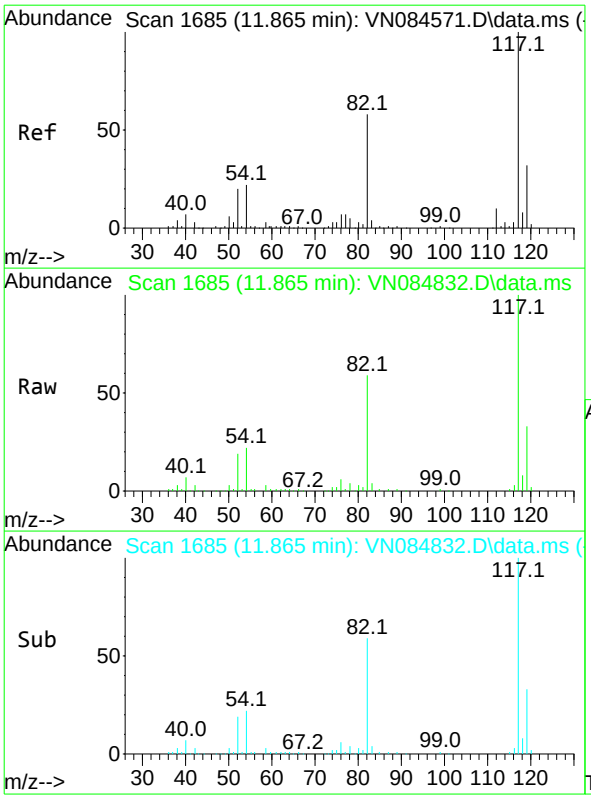


#62
4-Bromofluorobenzene
Concen: 45.974 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Tgt Ion: 95 Resp: 118884

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	72.3	0.0	140.0



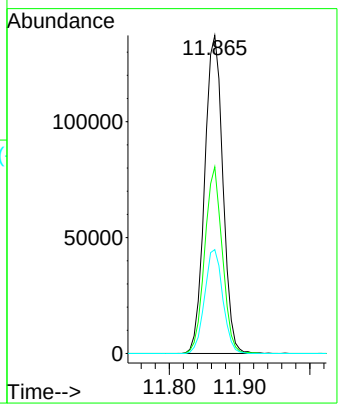


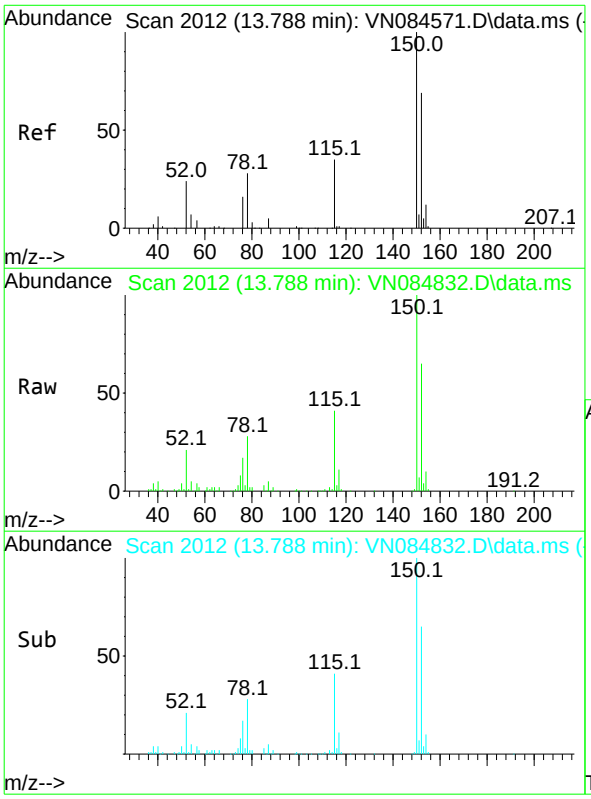
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion:117 Resp: 246107

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.2	70.8
119	32.7	25.4	38.0

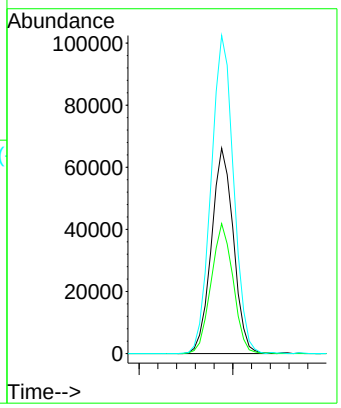




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Tgt Ion:152 Resp: 108148

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	158.1	0.0	349.8



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.571	0.552	0.552	0.598	0.594	0.581	0.575	3.4
Chloromethane	0.658	0.672	0.725	0.871	0.995	1.789	0.952	45.2
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
Bromomethane	0.292	0.296	0.310	0.336	0.405		0.328	14.2
Chloroethane	0.378	0.376	0.413	0.426	0.475	0.863	0.488	38.3
Trichlorofluoromethane	0.971	0.959	1.017	1.022	1.070	1.071	1.018	4.7
1,1,2-Trichlorotrifluoroethane	0.566	0.557	0.571	0.585	0.588	0.586	0.575	2.2
Tert butyl alcohol	0.082	0.086	0.090	0.100	0.118		0.095	15.1
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
Acetone	0.209	0.204	0.213	0.223	0.241	0.338	0.238	21.3
Carbon Disulfide	1.604	1.603	1.700	1.714	1.784	2.117	1.753	10.9
Methyl tert-butyl Ether	1.773	1.758	1.802	1.779	1.786	1.572	1.745	4.9
Methyl Acetate	0.731	0.749	0.954	1.044	1.266	2.291	1.172	49.7
Methylene Chloride	0.604	0.602	0.633	0.658	0.714	0.600	0.635	7.1
trans-1,2-Dichloroethene	0.565	0.563	0.596	0.600	0.584	0.601	0.585	2.9
1,1-Dichloroethane	1.067	1.066	1.114	1.127	1.203	1.033	1.102	5.5
Cyclohexane	0.956	0.938	0.956	1.043	1.093		0.997	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
cis-1,2-Dichloroethene	0.675	0.662	0.697	0.685	0.705	0.673	0.683	2.4
Bromochloromethane	0.483	0.511	0.388	0.415	0.408	0.429	0.439	10.8
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
1,1,1-Trichloroethane	1.000	0.991	1.046	1.073	1.032	0.980	1.021	3.5
Methylcyclohexane	0.546	0.509	0.495	0.487	0.458	0.371	0.478	12.5
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
1,2-Dichloropropane	0.356	0.348	0.358	0.357	0.373	0.330	0.354	4
Bromodichloromethane	0.528	0.521	0.526	0.522	0.529	0.530	0.526	0.7
4-Methyl-2-Pentanone	0.424	0.423	0.416	0.417	0.412	0.344	0.406	7.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Toluene	0.923	0.899	0.919	0.902	0.891	0.757	0.882	7.1
t-1,3-Dichloropropene	0.552	0.543	0.538	0.532	0.547	0.555	0.544	1.6
cis-1,3-Dichloropropene	0.592	0.581	0.582	0.569	0.584	0.548	0.576	2.7
1,1,2-Trichloroethane	0.336	0.329	0.334	0.342	0.342	0.309	0.332	3.7
2-Hexanone	0.314	0.312	0.301	0.297	0.294	0.256	0.296	7.1
Dibromochloromethane	0.404	0.394	0.391	0.393	0.377	0.312	0.378	8.9
1,2-Dibromoethane	0.340	0.333	0.341	0.335	0.355	0.336	0.340	2.4
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
Ethyl Benzene	1.957	1.891	1.928	1.880	1.849	1.697	1.867	4.9
m/p-Xylenes	0.737	0.728	0.737	0.701	0.683	0.654	0.707	4.8
o-Xylene	0.703	0.690	0.701	0.679	0.645	0.550	0.661	8.9
Styrene	1.223	1.205	1.206	1.144	1.093	1.050	1.154	6.1
Bromoform	0.287	0.295	0.298	0.289	0.302	0.286	0.293	2.3
Isopropylbenzene	3.558	3.570	3.701	3.605	3.402	3.188	3.504	5.2
1,1,2,2-Tetrachloroethane	1.052	1.073	1.163	1.190	1.317	1.222	1.170	8.4
1,3-Dichlorobenzene	1.642	1.668	1.770	1.802	1.884	2.264	1.838	12.3
1,4-Dichlorobenzene	1.646	1.674	1.782	1.867	1.879	2.773	1.937	21.7
1,2-Dichlorobenzene	1.601	1.618	1.748	1.732	1.879	2.021	1.766	9.1
1,2-Dibromo-3-Chloropropane	0.204	0.217	0.229	0.226	0.274	0.272	0.237	12.3
1,2,4-Trichlorobenzene	0.852	0.865	0.895	0.881	0.956	1.353	0.967	19.9
1,2,3-Trichlorobenzene	0.832	0.841	0.953	0.877	0.939	1.189	0.939	14.1
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024
Response Via : Initial Calibration

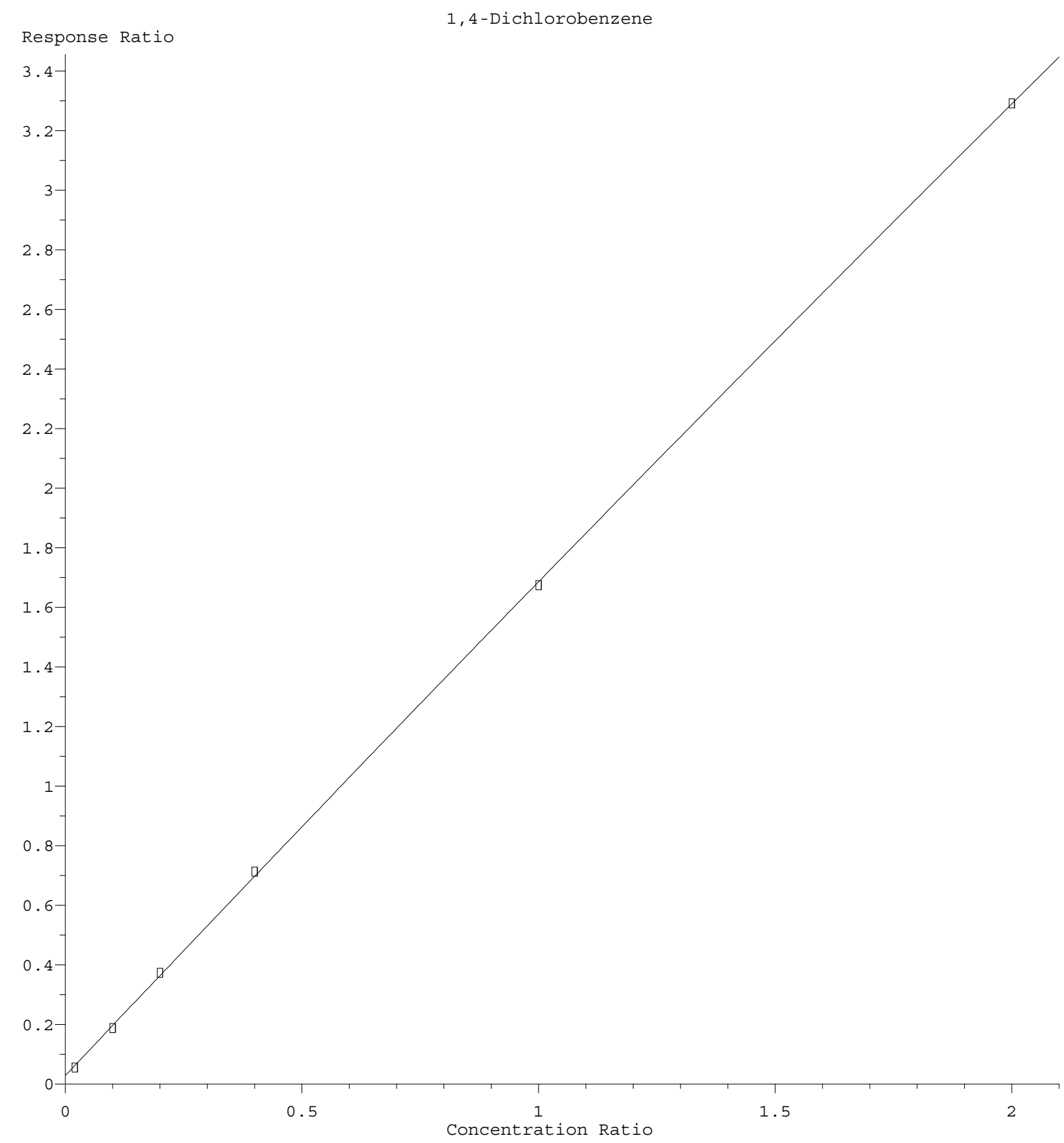
Calibration Files
1 =VN084575.D 5 =VN084574.D 10 =VN084573.D 20 =VN084572.D 50 =VN084571.D 100 =VN084570.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.581	0.594	0.598	0.552	0.552	0.571	0.575	3.43
3)	P	Chloromethane	1.789	0.995	0.871	0.725	0.672	0.658	0.952	45.21
4)	C	Vinyl Chloride	0.581	0.651	0.636	0.623	0.605	0.613	0.618	3.98#
5)	T	Bromomethane		0.405	0.336	0.310	0.296	0.292	0.328	14.16
6)	T	Chloroethane	0.863	0.475	0.426	0.413	0.376	0.378	0.488	38.29
7)	T	Trichlorofluor...	1.071	1.070	1.022	1.017	0.959	0.971	1.018	4.66
8)	T	Diethyl Ether	0.358	0.371	0.364	0.359	0.353	0.351	0.359	2.08
9)	T	1,1,2-Trichlor...	0.586	0.588	0.585	0.571	0.557	0.566	0.575	2.23
10)	T	Methyl Iodide		0.817	0.800	0.764	0.736	0.728	0.769	5.08
11)	T	Tert butyl alc...		0.118	0.100	0.090	0.086	0.082	0.095	15.11
12)	CM	1,1-Dichloroet...	0.644	0.552	0.575	0.560	0.538	0.548	0.569	6.78#
13)	T	Acrolein		0.104	0.096	0.101	0.088	0.086	0.095	8.16
14)	T	Allyl chloride	0.849	0.977	0.925	0.939	0.917	0.934	0.923	4.56
15)	T	Acrylonitrile	0.263	0.294	0.282	0.282	0.271	0.264	0.276	4.42
16)	T	Acetone	0.338	0.241	0.223	0.213	0.204	0.209	0.238	21.31
17)	T	Carbon Disulfide	2.117	1.784	1.714	1.700	1.603	1.604	1.753	10.90
18)	T	Methyl Acetate	2.291	1.266	1.044	0.954	0.749	0.731	1.172	49.71
19)	T	Methyl tert-bu...	1.572	1.786	1.779	1.802	1.758	1.773	1.745	4.92
20)	T	Methylene Chlo...	0.600	0.714	0.658	0.633	0.602	0.604	0.635	7.09
21)	T	trans-1,2-Dich...	0.601	0.584	0.600	0.596	0.563	0.565	0.585	2.94
22)	T	Diisopropyl ether	1.623	1.843	1.909	1.921	1.855	1.858	1.835	5.91
23)	T	Vinyl Acetate	1.090	1.297	1.298	1.306	1.299	1.303	1.265	6.81
24)	P	1,1-Dichloroet...	1.033	1.203	1.127	1.114	1.066	1.067	1.102	5.49
25)	T	2-Butanone	0.334	0.370	0.338	0.348	0.315	0.316	0.337	6.14
26)	T	2,2-Dichloropr...	0.933	0.959	0.978	0.974	0.941	0.968	0.959	1.93
27)	T	cis-1,2-Dichlo...	0.673	0.705	0.685	0.697	0.662	0.675	0.683	2.38
28)	T	Bromochloromet...	0.429	0.408	0.415	0.388	0.511	0.483	0.439	10.79
29)	T	Tetrahydrofuran	0.197	0.236	0.234	0.231	0.222	0.221	0.224	6.52
30)	C	Chloroform	1.025	1.222	1.154	1.142	1.086	1.099	1.121	6.02#
31)	T	Cyclohexane		1.093	1.043	0.956	0.938	0.956	0.997	6.75
32)	T	1,1,1-Trichlor...	0.980	1.032	1.073	1.046	0.991	1.000	1.021	3.53
33)	S	1,2-Dichloroet...		0.771	0.722	0.708	0.721	0.689	0.722	4.20
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.353	0.336	0.326	0.344	0.334	0.338	3.07
36)	T	1,1-Dichloropr...	0.474	0.477	0.468	0.471	0.451	0.476	0.469	2.02
37)	T	Ethyl Acetate	0.410	0.466	0.404	0.429	0.422	0.424	0.426	5.14
38)	T	Carbon Tetrach...	0.488	0.537	0.548	0.532	0.514	0.530	0.525	4.04
39)	T	Methylcyclohexane	0.371	0.458	0.487	0.495	0.509	0.546	0.478	12.46
40)	TM	Benzene	1.540	1.546	1.507	1.509	1.448	1.494	1.507	2.35
41)	T	Methacrylonitrile	0.184	0.238	0.232	0.239	0.246	0.235	0.229	9.89
42)	TM	1,2-Dichloroet...	0.459	0.503	0.492	0.493	0.494	0.488	0.488	3.10
43)	T	Isopropyl Acetate	1.297	1.009	0.895	0.820	0.756	0.786	0.927	21.85
44)	TM	Trichloroethene	0.387	0.341	0.338	0.345	0.335	0.339	0.348	5.66
45)	C	1,2-Dichloropr...	0.330	0.373	0.357	0.358	0.348	0.356	0.354	3.95#
46)	T	Dibromomethane	0.247	0.260	0.244	0.257	0.244	0.245	0.250	2.89
47)	T	Bromodichlorom...	0.530	0.529	0.522	0.526	0.521	0.528	0.526	0.70
48)	T	Methyl methacr...	0.277	0.335	0.336	0.339	0.346	0.355	0.331	8.32
49)	T	1,4-Dioxane	0.005	0.006	0.006	0.006	0.006	0.006	0.006	8.90
50)	S	Toluene-d8		1.217	1.231	1.216	1.303	1.267	1.247	3.02
51)	T	4-Methyl-2-Pen...	0.344	0.412	0.417	0.416	0.423	0.424	0.406	7.59
52)	CM	Toluene	0.757	0.891	0.902	0.919	0.899	0.923	0.882	7.07#
53)	T	t-1,3-Dichloro...	0.555	0.547	0.532	0.538	0.543	0.552	0.544	1.60
54)	T	cis-1,3-Dichlo...	0.548	0.584	0.569	0.582	0.581	0.592	0.576	2.69
55)	T	1,1,2-Trichlor...	0.309	0.342	0.342	0.334	0.329	0.336	0.332	3.72

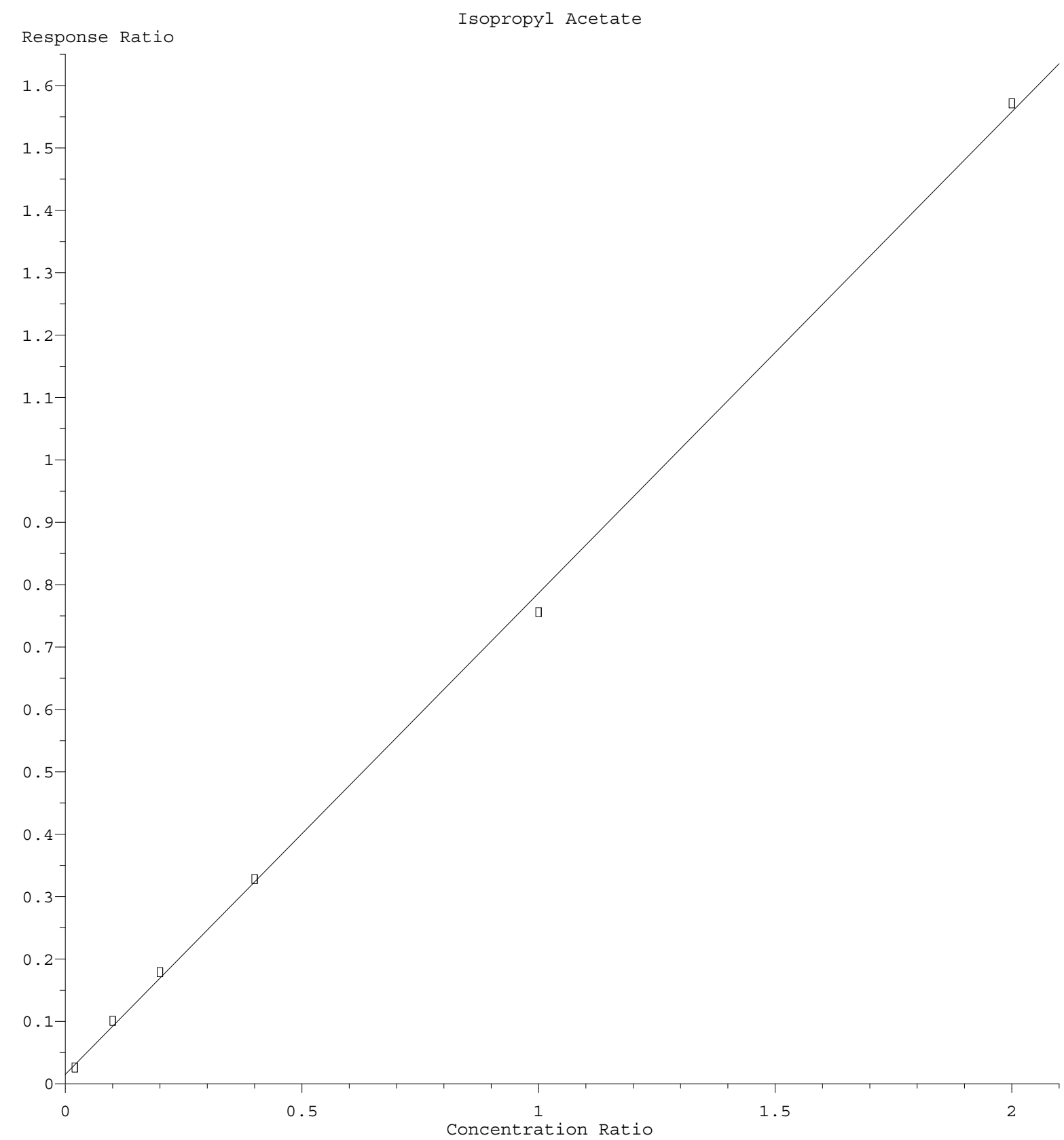
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M

56)	T	Ethyl methacry...	0.371	0.449	0.477	0.495	0.539	0.550	0.480	13.66
57)	T	1,3-Dichloropr...	0.527	0.598	0.573	0.579	0.565	0.577	0.570	4.16
58)	T	2-Chloroethyl ...	0.167	0.202	0.214	0.229	0.262	0.275	0.225	17.62
59)	T	2-Hexanone	0.256	0.294	0.297	0.301	0.312	0.314	0.296	7.11
60)	T	Dibromochlorom...	0.312	0.377	0.393	0.391	0.394	0.404	0.378	8.92
61)	T	1,2-Dibromoethane	0.336	0.355	0.335	0.341	0.333	0.340	0.340	2.38
62)	S	4-Bromofluorob...		0.454	0.451	0.450	0.493	0.481	0.466	4.26
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.325	0.351	0.347	0.333	0.313	0.326	0.333	4.29
65)	PM	Chlorobenzene	1.146	1.164	1.123	1.149	1.061	1.068	1.119	3.93
66)	T	1,1,1,2-Tetrac...	0.399	0.404	0.390	0.392	0.375	0.375	0.389	3.01
67)	C	Ethyl Benzene	1.697	1.849	1.880	1.928	1.891	1.957	1.867	4.90#
68)	T	m/p-Xylenes	0.654	0.683	0.701	0.737	0.728	0.737	0.707	4.76
69)	T	o-Xylene	0.550	0.645	0.679	0.701	0.690	0.703	0.661	8.89
70)	T	Styrene	1.050	1.093	1.144	1.206	1.205	1.223	1.154	6.11
71)	P	Bromoform	0.286	0.302	0.289	0.298	0.295	0.287	0.293	2.26
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.188	3.402	3.605	3.701	3.570	3.558	3.504	5.21
74)	T	N-amyl acetate	1.223	1.572	1.527	1.552	1.528	1.546	1.491	8.88
75)	P	1,1,2,2-Tetrac...	1.222	1.317	1.190	1.163	1.073	1.052	1.170	8.39
76)	T	1,2,3-Trichlor...	1.246	1.013	1.020	0.958	0.887	0.873	0.999	13.58
77)	T	Bromobenzene	1.114	0.931	0.943	0.921	0.883	0.860	0.942	9.52
78)	T	n-propylbenzene	3.621	4.041	4.188	4.316	4.236	4.233	4.106	6.19
79)	T	2-Chlorotoluene	2.601	2.746	2.700	2.848	2.621	2.581	2.683	3.82
80)	T	1,3,5-Trimethy...	2.418	2.765	3.038	3.099	3.068	3.037	2.904	9.19
81)	T	trans-1,4-Dich...		0.431	0.446	0.423	0.401	0.406	0.421	4.33
82)	T	4-Chlorotoluene	3.049	2.848	2.822	2.838	2.716	2.667	2.823	4.70
83)	T	tert-Butylbenzene	1.893	2.271	2.461	2.648	2.531	2.617	2.403	11.81
84)	T	1,2,4-Trimethy...	2.579	2.766	3.075	3.265	3.148	3.151	2.997	8.86
85)	T	sec-Butylbenzene	2.962	3.145	3.517	3.608	3.538	3.600	3.395	8.04
86)	T	p-Isopropyltol...	2.218	2.518	2.843	3.003	3.050	3.075	2.784	12.43
87)	T	1,3-Dichlorobe...	2.264	1.884	1.802	1.770	1.668	1.642	1.838	12.33
88)	T	1,4-Dichlorobe...	2.773	1.879	1.867	1.782	1.674	1.646	1.937	21.72
89)	T	n-Butylbenzene	2.747	2.454	2.457	2.623	2.619	2.728	2.605	4.88
90)	T	Hexachloroethane	0.681	0.626	0.633	0.617	0.589	0.578	0.621	5.88
91)	T	1,2-Dichlorobe...	2.021	1.879	1.732	1.748	1.618	1.601	1.766	9.07
92)	T	1,2-Dibromo-3-...	0.272	0.274	0.226	0.229	0.217	0.204	0.237	12.28
93)	T	1,2,4-Trichlor...	1.353	0.956	0.881	0.895	0.865	0.852	0.967	19.90
94)	T	Hexachlorobuta...	0.551	0.438	0.403	0.426	0.369	0.359	0.425	16.33
95)	T	Naphthalene	3.355	2.788	2.710	2.953	2.780	2.778	2.894	8.29
96)	T	1,2,3-Trichlor...	1.189	0.939	0.877	0.953	0.841	0.832	0.939	14.09

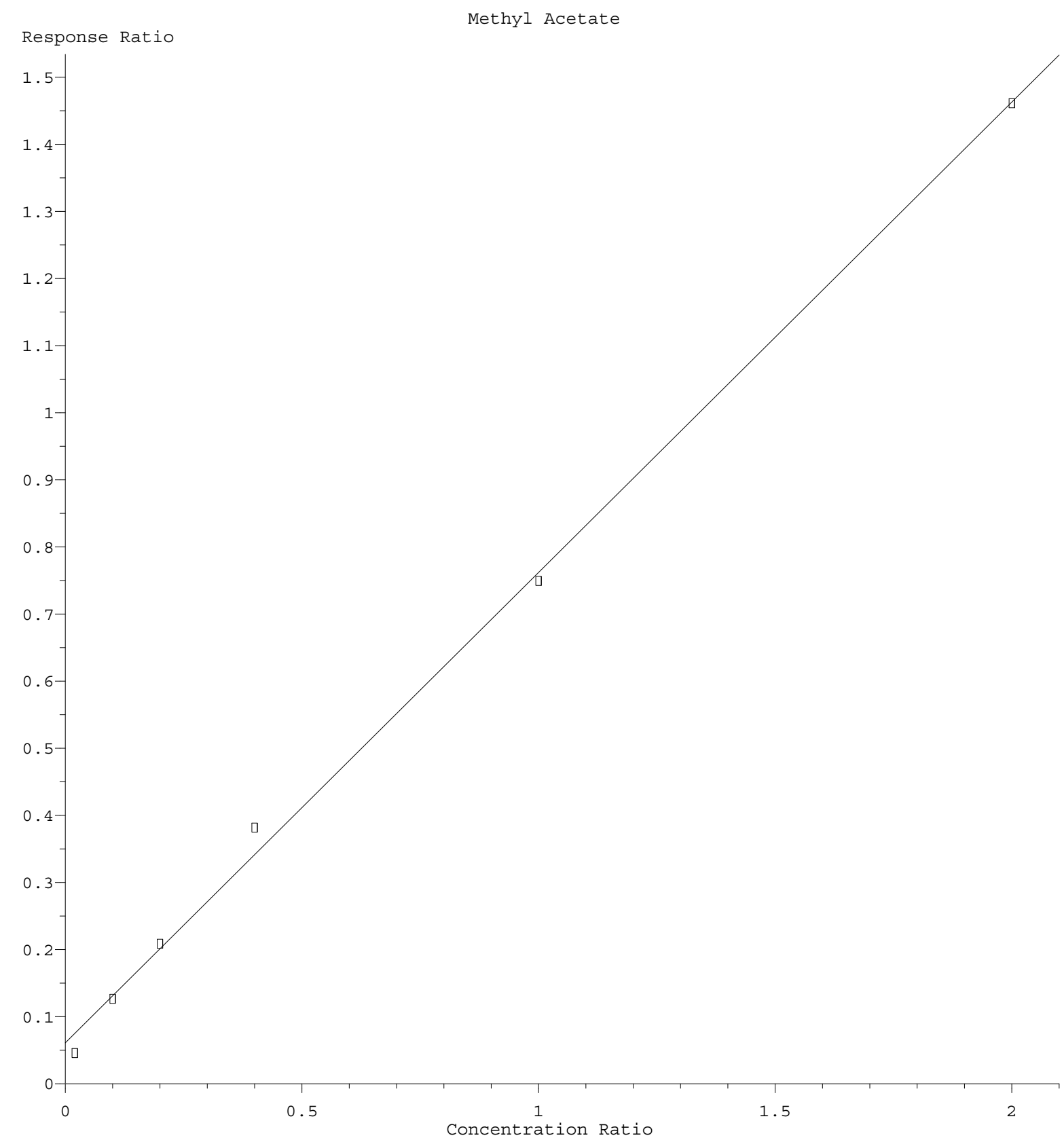
(#) = Out of Range



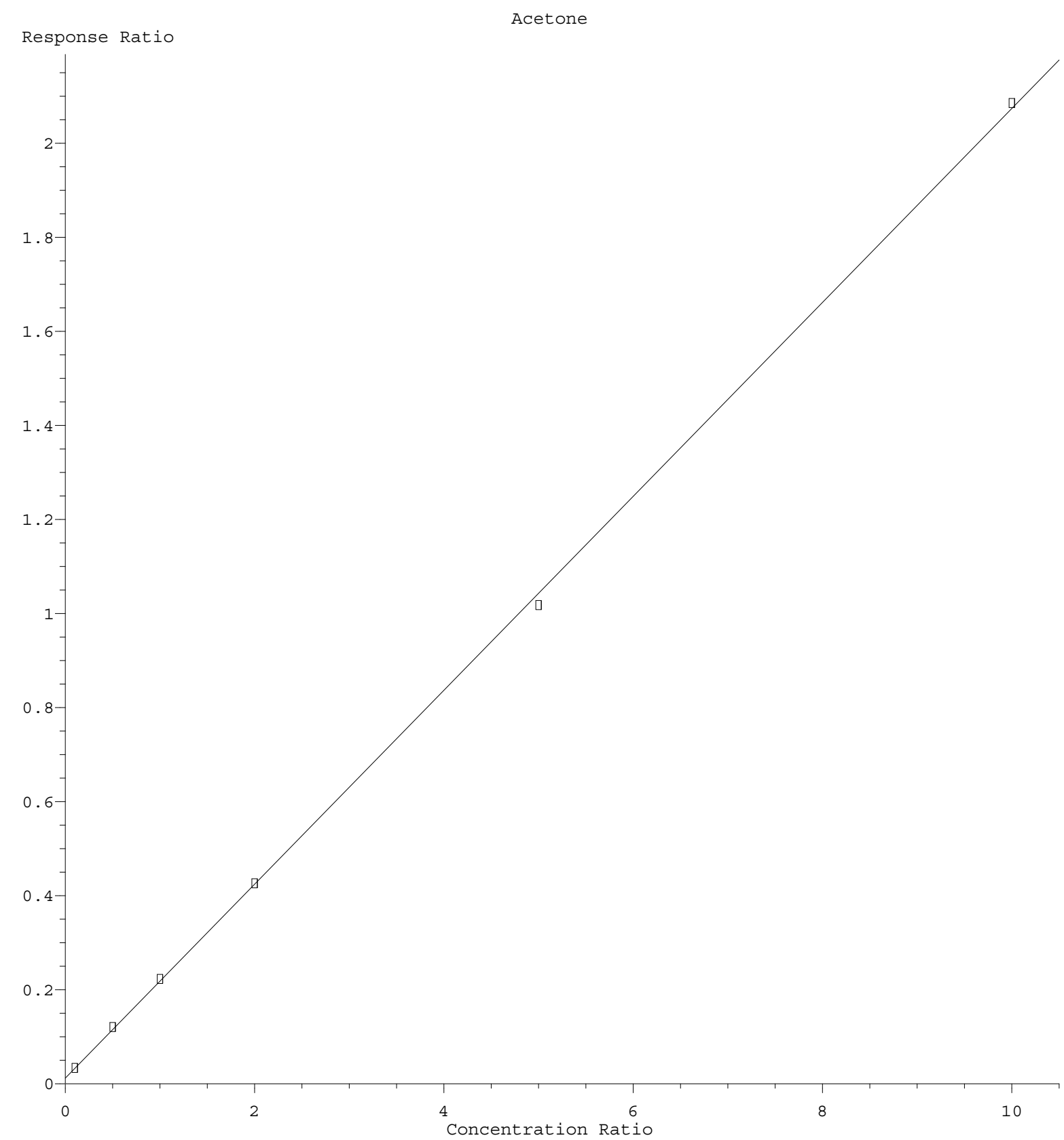
R = -2.647e-002 A*A + 1.683e+000 A + 2.851e-002
Coef of Det (r^2) = 0.999927 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



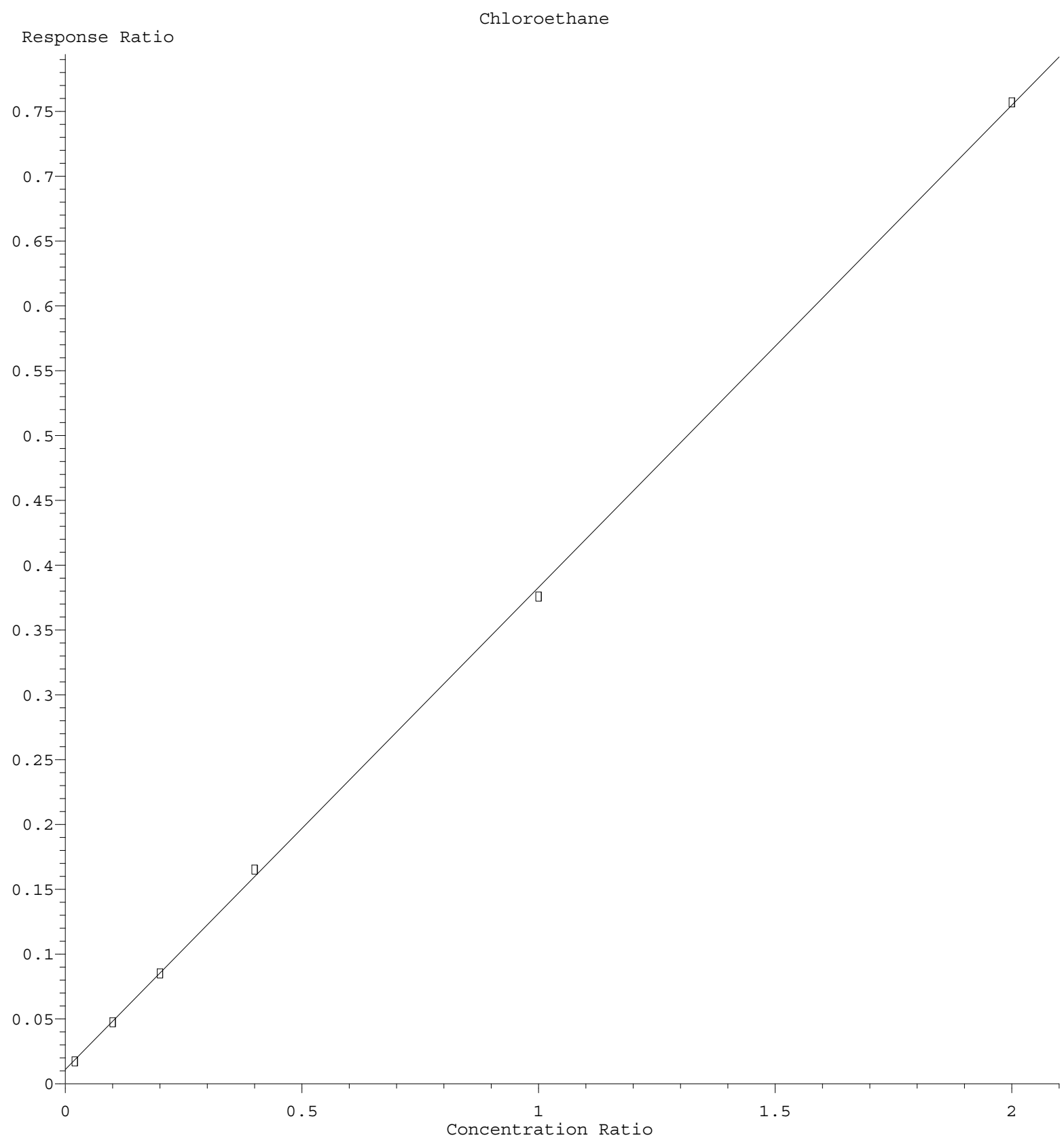
Response = 7.716e-001 * Amt + 1.519e-002
Coef of Det (r^2) = 0.999234 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



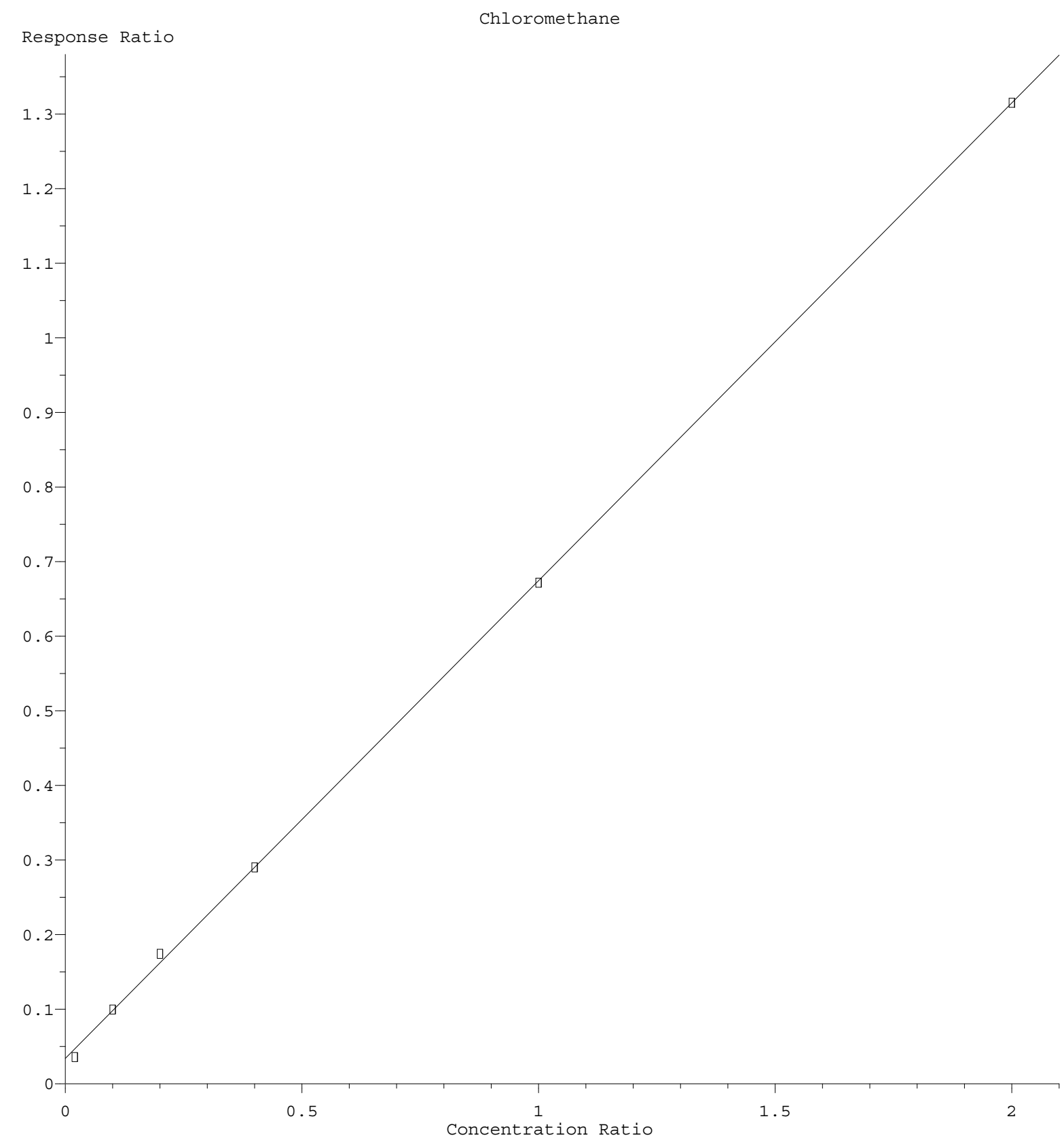
Response = 7.012e-001 * Amt + 6.084e-002
Coef of Det (r^2) = 0.998099 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 2.062e-001 * Amt + 1.190e-002
Coef of Det (r^2) = 0.999735 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 3.720e-001 * Amt + 1.067e-002
Coef of Det (r^2) = 0.999785 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 6.405e-001 * Amt + 3.399e-002
Coef of Det (r^2) = 0.999766 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258269	95.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.800%#			
35) Dibromofluoromethane	8.165	113	206417	98.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.240%#			
50) Toluene-d8	10.565	98	783727	101.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 203.300%#			
62) 4-Bromofluorobenzene	12.847	95	297647	103.292	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.580%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	214094	99.364	ug/l	93
3) Chloromethane	2.359	50	246492	100.015	ug/l	97
4) Vinyl Chloride	2.512	62	229760	99.144	ug/l	99
5) Bromomethane	2.901	94	109436	89.128	ug/l	97
6) Chloroethane	3.071	64	141883	100.310	ug/l	98
7) Trichlorofluoromethane	3.465	101	363937	95.335	ug/l	100
8) Diethyl Ether	3.953	74	131399	97.575	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	212244	98.394	ug/l	99
10) Methyl Iodide	4.577	142	272990	94.692	ug/l	96
11) Tert butyl alcohol	5.547	59	153595	429.840	ug/l	100
12) 1,1-Dichloroethene	4.324	96	205332	96.200	ug/l	98
13) Acrolein	4.171	56	161607	453.545	ug/l	100
14) Allyl chloride	5.012	41	350014	101.116	ug/l	92
15) Acrylonitrile	5.712	53	494070	477.613	ug/l	100
16) Acetone	4.424	43	390888	502.753	ug/l	98
17) Carbon Disulfide	4.700	76	601202	91.464	ug/l	99
18) Methyl Acetate	5.018	43	273870	99.857	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	664800	101.618	ug/l	99
20) Methylene Chloride	5.271	84	226231	95.017	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	211649	96.569	ug/l	93
22) Diisopropyl ether	6.665	45	696527	101.268	ug/l	99
23) Vinyl Acetate	6.600	43	2441301	514.697	ug/l	99
24) 1,1-Dichloroethane	6.559	63	399999	96.866	ug/l	98
25) 2-Butanone	7.483	43	591863	468.634	ug/l	98
26) 2,2-Dichloropropane	7.483	77	362927	100.979	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	252932	98.835	ug/l	96
28) Bromochloromethane	7.812	49	180881	109.944	ug/l	96
29) Tetrahydrofuran	7.835	42	415033	495.347	ug/l	97
30) Chloroform	7.959	83	412084	98.045	ug/l	100
31) Cyclohexane	8.253	56	358350	95.881	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	374940	98.012	ug/l	98
36) 1,1-Dichloropropene	8.365	75	294131	101.323	ug/l	99
37) Ethyl Acetate	7.559	43	262200	99.553	ug/l	98
38) Carbon Tetrachloride	8.359	117	327651	100.981	ug/l	98
39) Methylcyclohexane	9.600	83	337677	114.344	ug/l	97
40) Benzene	8.600	78	924038	99.119	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	145041	102.406 ug/l	95
42) 1,2-Dichloroethane	8.665	62	301932	100.005 ug/l	100
43) Isopropyl Acetate	8.688	43	485962	100.857 ug/l	99
44) Trichloroethene	9.347	130	209438	97.413 ug/l	98
45) 1,2-Dichloropropane	9.618	63	220258	100.718 ug/l	95
46) Dibromomethane	9.706	93	151661	98.281 ug/l	98
47) Bromodichloromethane	9.888	83	326466	100.364 ug/l #	96
48) Methyl methacrylate	9.677	41	219838	107.249 ug/l	98
49) 1,4-Dioxane	9.694	88	76189	2097.505 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1312148	522.607 ug/l	99
52) Toluene	10.629	92	570832	104.696 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	341196	101.334 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	366358	102.804 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	207689	101.124 ug/l	97
56) Ethyl methacrylate	10.871	69	340367	114.573 ug/l	97
57) 1,3-Dichloropropane	11.165	76	357131	101.320 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	849817	611.330 ug/l	98
59) 2-Hexanone	11.194	43	971064	531.346 ug/l	97
60) Dibromochloromethane	11.359	129	249733	106.691 ug/l	99
61) 1,2-Dibromoethane	11.471	107	210043	99.870 ug/l	100
64) Tetrachloroethene	11.100	164	184478	98.169 ug/l	96
65) Chlorobenzene	11.888	112	603595	95.500 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	212055	96.458 ug/l	99
67) Ethyl Benzene	11.965	91	1106035	104.837 ug/l	99
68) m/p-Xylenes	12.070	106	832448	208.419 ug/l	99
69) o-Xylene	12.400	106	397449	106.372 ug/l	100
70) Styrene	12.412	104	691175	106.042 ug/l	98
71) Bromoform	12.582	173	162189	98.044 ug/l #	97
73) Isopropylbenzene	12.694	105	1015352	101.533 ug/l	100
74) N-amyl acetate	12.494	43	441232	103.666 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	300162	89.924 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	249062m	88.446 ug/l	
77) Bromobenzene	12.982	156	245558	91.341 ug/l	94
78) n-propylbenzene	13.035	91	1208185	103.100 ug/l	98
79) 2-Chlorotoluene	13.123	91	736738	96.217 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	866736	104.573 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	115847	96.347 ug/l	98
82) 4-Chlorotoluene	13.217	91	761196	94.462 ug/l	99
83) tert-Butylbenzene	13.435	119	746926	108.888 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	899374	105.136 ug/l	99
85) sec-Butylbenzene	13.617	105	1027413	106.032 ug/l	99
86) p-Isopropyltoluene	13.729	119	877717	110.451 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	468620	89.320 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	469714	100.067 ug/l	98
89) n-Butylbenzene	14.053	91	778487	104.727 ug/l	100
90) Hexachloroethane	14.335	117	165030	93.123 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	456925	90.631 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	58247	86.136 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	243087	88.091 ug/l	99
94) Hexachlorobutadiene	15.500	225	102558	84.631 ug/l	99
95) Naphthalene	15.641	128	792903	95.997 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	237515	88.667 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

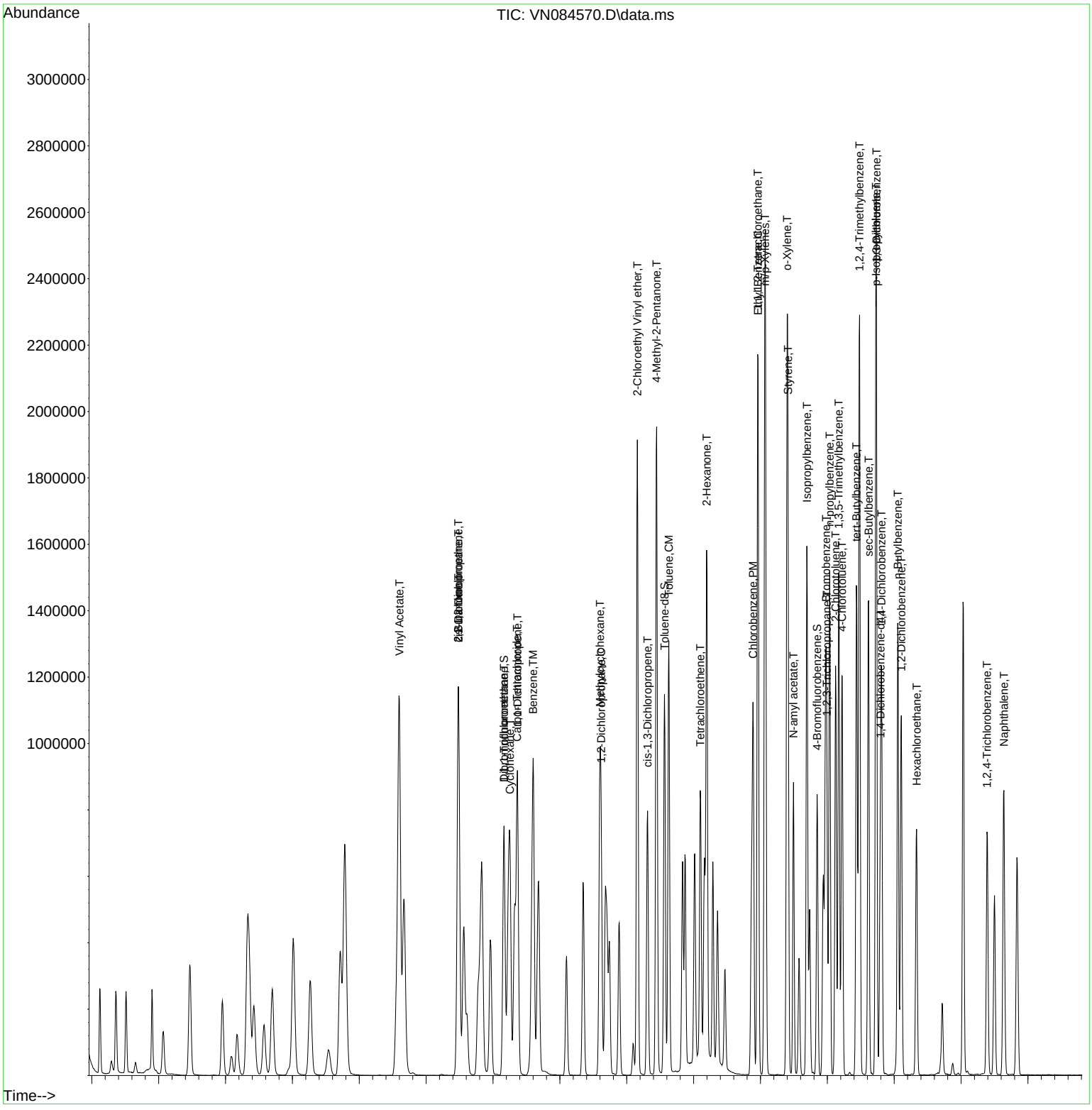
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	186594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134521	49.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.820%			
35) Dibromofluoromethane	8.165	113	107131	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.565	98	405874	52.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.847	95	153622	52.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	103092	48.061	ug/l	97
3) Chloromethane	2.365	50	125344	49.788	ug/l	95
4) Vinyl Chloride	2.512	62	112961	48.962	ug/l	95
5) Bromomethane	2.901	94	55194	45.153	ug/l	100
6) Chloroethane	3.071	64	70126	49.078	ug/l	96
7) Trichlorofluoromethane	3.471	101	178947	47.086	ug/l	97
8) Diethyl Ether	3.953	74	65946	49.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	103864	48.366	ug/l	98
10) Methyl Iodide	4.583	142	137274	47.829	ug/l	97
11) Tert butyl alcohol	5.536	59	80598	226.565	ug/l	100
12) 1,1-Dichloroethene	4.324	96	100445	47.270	ug/l	96
13) Acrolein	4.171	56	82129	231.524	ug/l	99
14) Allyl chloride	5.012	41	171045	49.635	ug/l	92
15) Acrylonitrile	5.718	53	252853	245.525	ug/l	98
16) Acetone	4.424	43	189949	243.925	ug/l	99
17) Carbon Disulfide	4.700	76	299041	45.698	ug/l	99
18) Methyl Acetate	5.024	43	139826	49.097	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	328099	50.376	ug/l	97
20) Methylene Chloride	5.271	84	112282	47.370	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	105050	48.146	ug/l	96
22) Diisopropyl ether	6.671	45	346126	50.549	ug/l	98
23) Vinyl Acetate	6.600	43	1212022	256.673	ug/l	99
24) 1,1-Dichloroethane	6.559	63	198817	48.362	ug/l	100
25) 2-Butanone	7.483	43	294207	233.994	ug/l	98
26) 2,2-Dichloropropane	7.483	77	175511	49.052	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	123436	48.450	ug/l	97
28) Bromochloromethane	7.812	49	95269	58.166	ug/l	95
29) Tetrahydrofuran	7.835	42	206980	248.139	ug/l	97
30) Chloroform	7.965	83	202589	48.417	ug/l	98
31) Cyclohexane	8.253	56	175038	47.043	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	184986	48.573	ug/l	98
36) 1,1-Dichloropropene	8.365	75	140593	48.071	ug/l	99
37) Ethyl Acetate	7.553	43	131332	49.493	ug/l	99
38) Carbon Tetrachloride	8.359	117	160134	48.985	ug/l	97
39) Methylcyclohexane	9.600	83	158489	53.267	ug/l	99
40) Benzene	8.600	78	451074	48.024	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76791	53.814 ug/l	97
42) 1,2-Dichloroethane	8.665	62	153960	50.614 ug/l	100
43) Isopropyl Acetate	8.688	43	235517	48.004 ug/l	99
44) Trichloroethene	9.353	130	104498	48.241 ug/l	98
45) 1,2-Dichloropropane	9.618	63	108302	49.154 ug/l	95
46) Dibromomethane	9.706	93	76019	48.895 ug/l	97
47) Bromodichloromethane	9.888	83	162307	49.525 ug/l	97
48) Methyl methacrylate	9.677	41	107828	52.212 ug/l	98
49) 1,4-Dioxane	9.694	88	37719	1030.669 ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	658351	260.254 ug/l	98
52) Toluene	10.629	92	280034	50.978 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	169085	49.843 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	180909	50.386 ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	102401	49.487 ug/l	98
56) Ethyl methacrylate	10.871	69	168060	56.150 ug/l	96
57) 1,3-Dichloropropane	11.159	76	175929	49.539 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	407857	291.210 ug/l	97
59) 2-Hexanone	11.194	43	485391	263.615 ug/l	98
60) Dibromochloromethane	11.359	129	122816	52.078 ug/l	98
61) 1,2-Dibromoethane	11.465	107	103901	49.034 ug/l	98
64) Tetrachloroethene	11.100	164	87457	47.088 ug/l	96
65) Chlorobenzene	11.888	112	296199	47.416 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	104844	48.252 ug/l	99
67) Ethyl Benzene	11.965	91	528107	50.646 ug/l	100
68) m/p-Xylenes	12.070	106	406816	103.053 ug/l	98
69) o-Xylene	12.394	106	192710	52.183 ug/l	99
70) Styrene	12.412	104	336570	52.245 ug/l	99
71) Bromoform	12.576	173	82245	50.303 ug/l #	99
73) Isopropylbenzene	12.694	105	493742	50.942 ug/l	99
74) N-amyl acetate	12.494	43	211326	51.228 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148441	45.884 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	122649m	44.939 ug/l	
77) Bromobenzene	12.982	156	122062	46.847 ug/l	95
78) n-propylbenzene	13.035	91	585903	51.587 ug/l	100
79) 2-Chlorotoluene	13.123	91	362526	48.850 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	424332	52.823 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	55485	47.612 ug/l	92
82) 4-Chlorotoluene	13.217	91	375636	48.097 ug/l	99
83) tert-Butylbenzene	13.435	119	350031	52.649 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	435421	52.518 ug/l	99
85) sec-Butylbenzene	13.612	105	489305	52.102 ug/l	100
86) p-Isopropyltoluene	13.729	119	421834	54.770 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	230686	45.366 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	231568	49.658 ug/l	98
89) n-Butylbenzene	14.053	91	362215	50.276 ug/l	99
90) Hexachloroethane	14.335	117	81515	47.459 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	223772	45.796 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	29987	45.754 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	119579	44.711 ug/l	99
94) Hexachlorobutadiene	15.500	225	51033	43.451 ug/l	98
95) Naphthalene	15.635	128	384553	48.037 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	116341	44.812 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

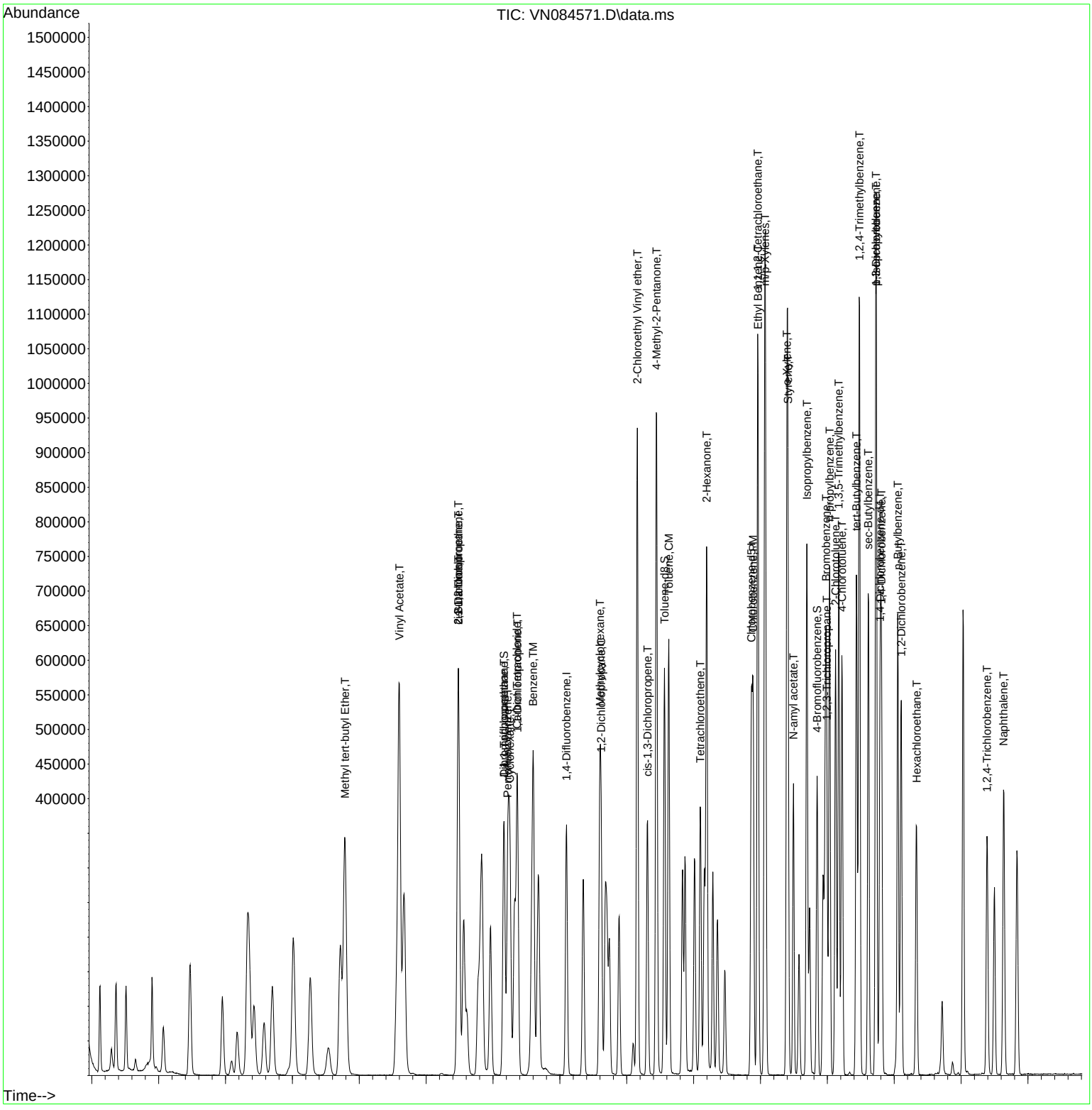
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	187576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	53102	19.600	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.200%#		
35) Dibromofluoromethane	8.165	113	41686	19.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.500%#		
50) Toluene-d8	10.565	98	155563	19.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.000%#		
62) 4-Bromofluorobenzene	12.847	95	57622	19.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41443	19.219	ug/l	99
3) Chloromethane	2.359	50	54414	19.993	ug/l	97
4) Vinyl Chloride	2.512	62	46710	20.140	ug/l	93
5) Bromomethane	2.901	94	23244	18.916	ug/l	100
6) Chloroethane	3.042	64	30992	20.772	ug/l	94
7) Trichlorofluoromethane	3.442	101	76339	19.982	ug/l	96
8) Diethyl Ether	3.948	74	26904	19.963	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.342	101	42830	19.840	ug/l	99
10) Methyl Iodide	4.565	142	57315	19.865	ug/l	96
11) Tert butyl alcohol	5.559	59	33927	94.871	ug/l	99
12) 1,1-Dichloroethene	4.318	96	41980	19.653	ug/l	89
13) Acrolein	4.171	56	38007	106.582	ug/l	96
14) Allyl chloride	5.006	41	70420	20.328	ug/l	92
15) Acrylonitrile	5.718	53	105912	102.304	ug/l	97
16) Acetone	4.430	43	79971	100.481	ug/l	99
17) Carbon Disulfide	4.689	76	127521	19.385	ug/l	98
18) Methyl Acetate	5.024	43	71604	22.882	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	135170	20.645	ug/l	100
20) Methylene Chloride	5.271	84	47467	19.921	ug/l	88
21) trans-1,2-Dichloroethene	5.771	96	44697	20.378	ug/l	93
22) Diisopropyl ether	6.671	45	144115	20.937	ug/l	97
23) Vinyl Acetate	6.594	43	490034	103.232	ug/l	100
24) 1,1-Dichloroethane	6.559	63	83555	20.218	ug/l	97
25) 2-Butanone	7.483	43	130541	103.281	ug/l	99
26) 2,2-Dichloropropane	7.483	77	73066	20.313	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	52279	20.412	ug/l	97
28) Bromochloromethane	7.806	49	29146	17.702	ug/l	91
29) Tetrahydrofuran	7.836	42	86837	103.560	ug/l	97
30) Chloroform	7.959	83	85675	20.368	ug/l	100
31) Cyclohexane	8.247	56	71698	19.169	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	78458	20.493	ug/l	97
36) 1,1-Dichloropropene	8.371	75	60208	20.050	ug/l	99
37) Ethyl Acetate	7.559	43	54942	20.165	ug/l	97
38) Carbon Tetrachloride	8.359	117	68076	20.282	ug/l	98
39) Methylcyclohexane	9.600	83	63305	20.722	ug/l	93
40) Benzene	8.600	78	193129	20.026	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	30596	20.882 ug/l		97
42) 1,2-Dichloroethane	8.665	62	63026	20.180 ug/l		99
43) Isopropyl Acetate	8.688	43	104951	20.277 ug/l		98
44) Trichloroethene	9.347	130	44176	19.862 ug/l		99
45) 1,2-Dichloropropane	9.618	63	45764	20.229 ug/l		93
46) Dibromomethane	9.706	93	32857	20.583 ug/l		99
47) Bromodichloromethane	9.888	83	67288	19.997 ug/l	#	98
48) Methyl methacrylate	9.682	41	43398	20.466 ug/l		97
49) 1,4-Dioxane	9.700	88	15417	410.291 ug/l	#	79
51) 4-Methyl-2-Pentanone	10.447	43	266010	102.417 ug/l		100
52) Toluene	10.629	92	117530	20.838 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	68847	19.766 ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74498	20.208 ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	42791	20.141 ug/l		95
56) Ethyl methacrylate	10.871	69	63347	20.613 ug/l		96
57) 1,3-Dichloropropane	11.159	76	74082	20.317 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	146372	101.786 ug/l		98
59) 2-Hexanone	11.194	43	192335	101.735 ug/l		99
60) Dibromochloromethane	11.359	129	50039	20.665 ug/l		99
61) 1,2-Dibromoethane	11.465	107	43666	20.070 ug/l		100
64) Tetrachloroethene	11.106	164	36798	20.054 ug/l		92
65) Chlorobenzene	11.888	112	126753	20.539 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	43201	20.125 ug/l		99
67) Ethyl Benzene	11.965	91	212737	20.651 ug/l		99
68) m/p-Xylenes	12.071	106	162754	41.732 ug/l		99
69) o-Xylene	12.400	106	77396	21.214 ug/l		99
70) Styrene	12.412	104	133059	20.907 ug/l		96
71) Bromoform	12.576	173	32901	20.369 ug/l	#	99
73) Isopropylbenzene	12.694	105	193023	21.127 ug/l		100
74) N-amyl acetate	12.494	43	80939	20.815 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	60645	19.886 ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	49947m	19.414 ug/l		
77) Bromobenzene	12.976	156	48017	19.550 ug/l		97
78) n-propylbenzene	13.035	91	225085	21.024 ug/l		99
79) 2-Chlorotoluene	13.123	91	148533	21.233 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	161619	21.343 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22047	20.070 ug/l	#	85
82) 4-Chlorotoluene	13.218	91	147989	20.102 ug/l		100
83) tert-Butylbenzene	13.435	119	138079	22.033 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	170246	21.783 ug/l		99
85) sec-Butylbenzene	13.618	105	188158	21.255 ug/l		100
86) p-Isopropyltoluene	13.729	119	156598	21.569 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	92310	19.258 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	92940	20.458 ug/l		99
89) n-Butylbenzene	14.053	91	136771	20.139 ug/l		99
90) Hexachloroethane	14.329	117	32199	19.887 ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	91138	19.787 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11962	19.362 ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	46698	18.523 ug/l		96
94) Hexachlorobutadiene	15.500	225	22216	20.066 ug/l		96
95) Naphthalene	15.635	128	153972	20.404 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	49699	20.308 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

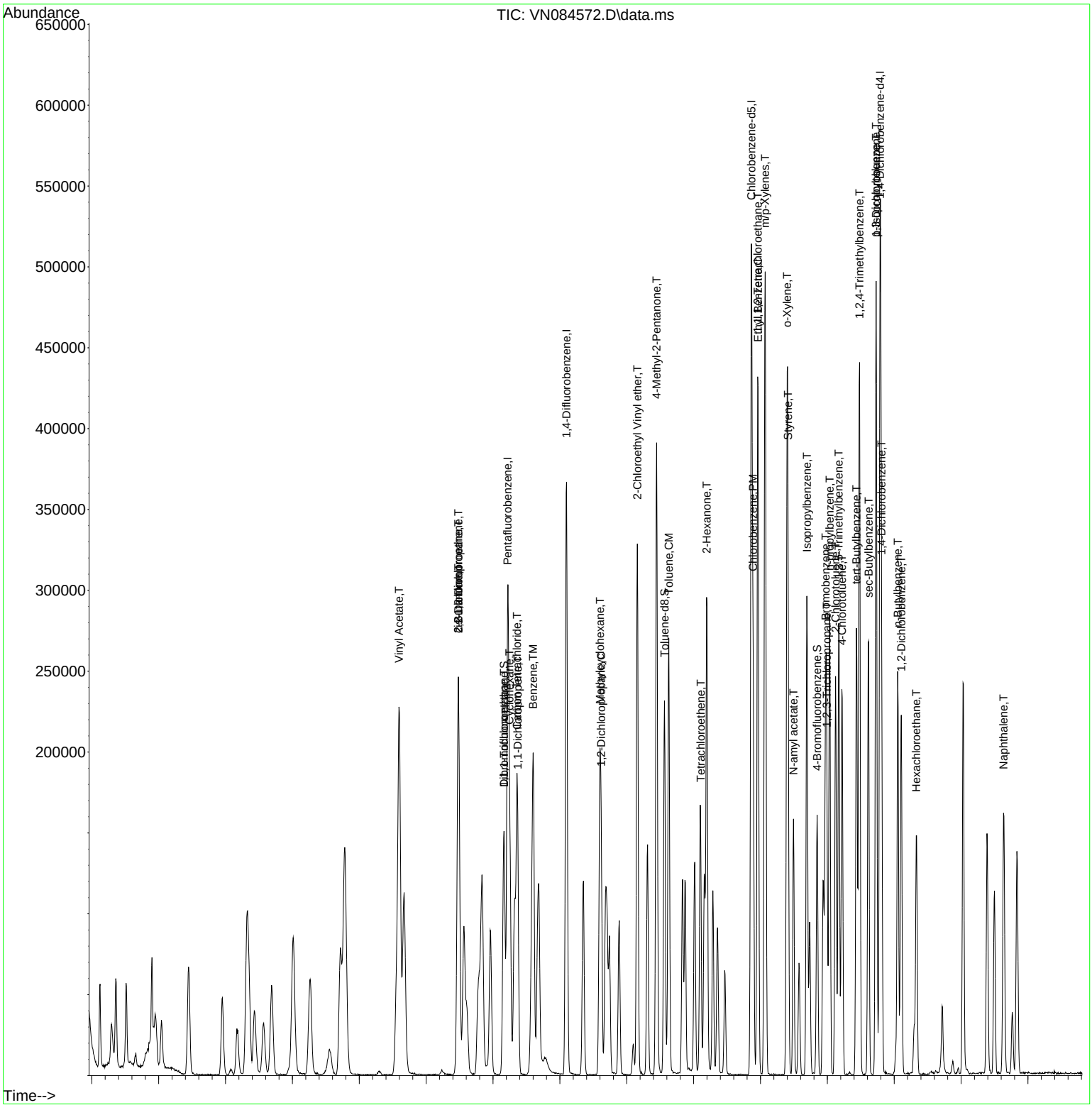
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	179863	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	312244	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	270408	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127178	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.583	65	25986	10.003	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.000%#				
35) Dibromofluoromethane	8.159	113	20969	9.921	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.840%#				
50) Toluene-d8	10.565	98	76892	9.876	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.760%#				
62) 4-Bromofluorobenzene	12.847	95	28191	9.689	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	21501	10.399	ug/l		96
3) Chloromethane	2.359	50	31342	10.950	ug/l		98
4) Vinyl Chloride	2.512	62	22896	10.295	ug/l		93
5) Bromomethane	2.901	94	12071	10.245	ug/l		95
6) Chloroethane	3.059	64	15315	10.010	ug/l	#	83
7) Trichlorofluoromethane	3.459	101	36747	10.031	ug/l		99
8) Diethyl Ether	3.953	74	13090	10.129	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.353	101	21028	10.158	ug/l		98
10) Methyl Iodide	4.577	142	28795	10.408	ug/l		97
11) Tert butyl alcohol	5.542	59	17899	52.198	ug/l	#	85
12) 1,1-Dichloroethene	4.324	96	20669	10.091	ug/l		87
13) Acrolein	4.177	56	17284	50.547	ug/l		99
14) Allyl chloride	5.012	41	33287	10.021	ug/l		93
15) Acrylonitrile	5.718	53	50731	51.104	ug/l		98
16) Acetone	4.430	43	40100	51.168	ug/l		93
17) Carbon Disulfide	4.695	76	61652	9.774	ug/l		97
18) Methyl Acetate	5.030	43	37538	10.544	ug/l		100
19) Methyl tert-butyl Ether	5.789	73	64007	10.195	ug/l		97
20) Methylene Chloride	5.265	84	23684	10.366	ug/l		94
21) trans-1,2-Dichloroethene	5.771	96	21581	10.261	ug/l		84
22) Diisopropyl ether	6.671	45	68672	10.404	ug/l	#	97
23) Vinyl Acetate	6.600	43	233407	51.279	ug/l		99
24) 1,1-Dichloroethane	6.565	63	40556	10.234	ug/l	#	95
25) 2-Butanone	7.483	43	60876	50.229	ug/l		96
26) 2,2-Dichloropropane	7.483	77	35189	10.203	ug/l		100
27) cis-1,2-Dichloroethene	7.483	96	24626	10.028	ug/l		99
28) Bromochloromethane	7.806	49	14918	9.449	ug/l	#	15
29) Tetrahydrofuran	7.841	42	42072	52.326	ug/l		99
30) Chloroform	7.965	83	41496	10.288	ug/l		97
31) Cyclohexane	8.247	56	37514	10.460	ug/l		96
32) 1,1,1-Trichloroethane	8.165	97	38612	10.518	ug/l		94
36) 1,1-Dichloropropene	8.371	75	29218	9.968	ug/l		99
37) Ethyl Acetate	7.559	43	25249	9.494	ug/l		96
38) Carbon Tetrachloride	8.359	117	34214	10.443	ug/l		95
39) Methylcyclohexane	9.600	83	30390	10.191	ug/l		96
40) Benzene	8.606	78	94121	9.999	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	14485	10.128 ug/l		96
42) 1,2-Dichloroethane	8.671	62	30752	10.087 ug/l		99
43) Isopropyl Acetate	8.688	43	55871	10.611 ug/l		94
44) Trichloroethene	9.353	130	21099	9.719 ug/l		98
45) 1,2-Dichloropropane	9.618	63	22314	10.105 ug/l		96
46) Dibromomethane	9.706	93	15211	9.762 ug/l		99
47) Bromodichloromethane	9.883	83	32612	9.929 ug/l	#	93
48) Methyl methacrylate	9.683	41	20961	10.127 ug/l		98
49) 1,4-Dioxane	9.700	88	7375	201.076 ug/l	#	76
51) 4-Methyl-2-Pentanone	10.447	43	130324	51.405 ug/l		99
52) Toluene	10.630	92	56321	10.230 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	33220	9.771 ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	35562	9.883 ug/l		92
55) 1,1,2-Trichloroethane	11.018	97	21367	10.303 ug/l		94
56) Ethyl methacrylate	10.871	69	29804	9.936 ug/l		98
57) 1,3-Dichloropropane	11.165	76	35790	10.056 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	66790	47.583 ug/l		97
59) 2-Hexanone	11.200	43	92772	50.273 ug/l		100
60) Dibromochloromethane	11.359	129	24541	10.383 ug/l		97
61) 1,2-Dibromoethane	11.471	107	20895	9.839 ug/l		97
64) Tetrachloroethene	11.100	164	18777	10.439 ug/l		94
65) Chlorobenzene	11.888	112	60746	10.041 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	21080	10.018 ug/l		98
67) Ethyl Benzene	11.965	91	101653	10.067 ug/l		99
68) m/p-Xylenes	12.071	106	75857	19.842 ug/l		100
69) o-Xylene	12.394	106	36696	10.261 ug/l		100
70) Styrene	12.412	104	61865	9.916 ug/l		98
71) Bromoform	12.576	173	15630	9.871 ug/l	#	95
73) Isopropylbenzene	12.694	105	91683	10.287 ug/l		98
74) N-amyl acetate	12.494	43	38841	10.240 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30270	10.175 ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	25940m	10.336 ug/l		
77) Bromobenzene	12.982	156	23987	10.012 ug/l		94
78) n-propylbenzene	13.035	91	106518	10.199 ug/l		99
79) 2-Chlorotoluene	13.123	91	68678	10.064 ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	77273	10.461 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	11334	10.577 ug/l		96
82) 4-Chlorotoluene	13.218	91	71787	9.996 ug/l		99
83) tert-Butylbenzene	13.435	119	62600	10.240 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	78207	10.258 ug/l		98
85) sec-Butylbenzene	13.612	105	89469	10.361 ug/l		99
86) p-Isopropyltoluene	13.729	119	72307	10.210 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	45832	9.802 ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	47483	10.276 ug/l		97
89) n-Butylbenzene	14.053	91	62495	9.433 ug/l		100
90) Hexachloroethane	14.335	117	16100	10.194 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	44055	9.805 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5744	9.531 ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	22413	9.114 ug/l		97
94) Hexachlorobutadiene	15.494	225	10263	9.503 ug/l		97
95) Naphthalene	15.641	128	68919	9.363 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	22303	9.342 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

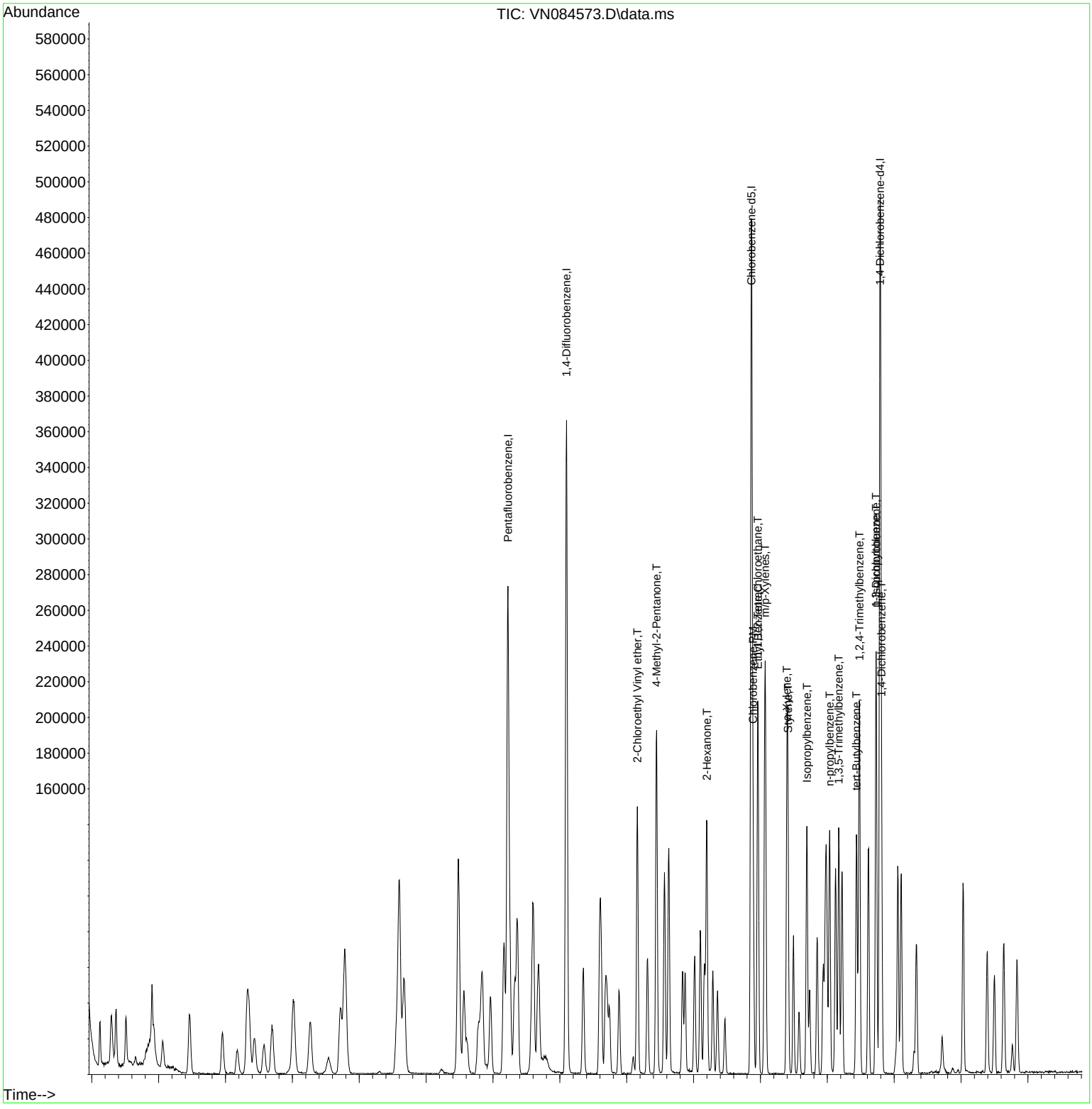
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	171598	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297777	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	254342	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118229	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	13227	5.337	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.680%#			
35) Dibromofluoromethane	8.165	113	10512	5.215	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.440%#			
50) Toluene-d8	10.565	98	36225	4.879	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.760%#			
62) 4-Bromofluorobenzene	12.847	95	13506	4.867	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	10192	5.167	ug/l		93
3) Chloromethane	2.360	50	17076	5.115	ug/l		97
4) Vinyl Chloride	2.513	62	11174	5.267	ug/l		96
5) Bromomethane	2.901	94	6944	6.177	ug/l		98
6) Chloroethane	3.060	64	8146	4.946	ug/l		98
7) Trichlorofluoromethane	3.460	101	18362	5.254	ug/l		98
8) Diethyl Ether	3.954	74	6372	5.168	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.348	101	10090	5.109	ug/l		99
10) Methyl Iodide	4.571	142	14021	5.312	ug/l	#	96
11) Tert butyl alcohol	5.536	59	10153	31.035	ug/l	#	87
12) 1,1-Dichloroethene	4.324	96	9474	4.848	ug/l		91
13) Acrolein	4.183	56	8890	27.251	ug/l		97
14) Allyl chloride	5.012	41	16771	5.292	ug/l		94
15) Acrylonitrile	5.724	53	25212	26.621	ug/l		99
16) Acetone	4.430	43	20706	26.370	ug/l		91
17) Carbon Disulfide	4.689	76	30614	5.087	ug/l	#	86
18) Methyl Acetate	5.030	43	21727	4.691	ug/l		99
19) Methyl tert-butyl Ether	5.795	73	30655	5.118	ug/l	#	89
20) Methylene Chloride	5.265	84	12258	5.623	ug/l		91
21) trans-1,2-Dichloroethene	5.771	96	10024	4.996	ug/l		94
22) Diisopropyl ether	6.671	45	31631	5.023	ug/l		93
23) Vinyl Acetate	6.601	43	111267	25.622	ug/l		98
24) 1,1-Dichloroethane	6.559	63	20644	5.460	ug/l		96
25) 2-Butanone	7.489	43	31742	27.452	ug/l		97
26) 2,2-Dichloropropane	7.483	77	16462	5.003	ug/l		94
27) cis-1,2-Dichloroethene	7.483	96	12105	5.167	ug/l		98
28) Bromochloromethane	7.806	49	7002	4.649	ug/l	#	91
29) Tetrahydrofuran	7.842	42	20240	26.385	ug/l		99
30) Chloroform	7.959	83	20974	5.451	ug/l		92
31) Cyclohexane	8.253	56	18750	5.480	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	17717	5.059	ug/l		97
36) 1,1-Dichloropropene	8.371	75	14193	5.077	ug/l		99
37) Ethyl Acetate	7.559	43	13884	5.474	ug/l	#	94
38) Carbon Tetrachloride	8.353	117	15977	5.113	ug/l		96
39) Methylcyclohexane	9.600	83	13624	4.791	ug/l		95
40) Benzene	8.600	78	46044	5.129	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	7091	5.199	ug/l		97
42) 1,2-Dichloroethane	8.665	62	14972	5.150	ug/l		98
43) Isopropyl Acetate	8.689	43	30044	5.554	ug/l	#	90
44) Trichloroethene	9.347	130	10168	4.911	ug/l		89
45) 1,2-Dichloropropane	9.618	63	11095	5.269	ug/l		97
46) Dibromomethane	9.706	93	7752	5.217	ug/l		97
47) Bromodichloromethane	9.889	83	15749	5.028	ug/l	#	98
48) Methyl methacrylate	9.677	41	9971	5.051	ug/l		97
49) 1,4-Dioxane	9.700	88	3729	106.609	ug/l		95
51) 4-Methyl-2-Pentanone	10.447	43	61332	25.367	ug/l		100
52) Toluene	10.630	92	26518	5.051	ug/l		99
53) t-1,3-Dichloropropene	10.836	75	16279	5.021	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	17395	5.069	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	10193	5.154	ug/l		93
56) Ethyl methacrylate	10.871	69	13362	4.671	ug/l		94
57) 1,3-Dichloropropane	11.165	76	17816	5.249	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	30088	22.477	ug/l		98
59) 2-Hexanone	11.194	43	43750	24.860	ug/l		97
60) Dibromochloromethane	11.359	129	11226	4.980	ug/l		96
61) 1,2-Dibromoethane	11.471	107	10584	5.226	ug/l		97
64) Tetrachloroethene	11.100	164	8917	5.271	ug/l	#	87
65) Chlorobenzene	11.888	112	29618	5.205	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	10265	5.186	ug/l		99
67) Ethyl Benzene	11.965	91	47037	4.952	ug/l		98
68) m/p-Xylenes	12.065	106	34753	9.665	ug/l		100
69) o-Xylene	12.394	106	16393	4.873	ug/l		99
70) Styrene	12.412	104	27807	4.739	ug/l		98
71) Bromoform	12.577	173	7686	5.161	ug/l	#	95
73) Isopropylbenzene	12.694	105	40223	4.855	ug/l		99
74) N-amyl acetate	12.494	43	18583	5.270	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	15573	5.631	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	11982m	5.136	ug/l		
77) Bromobenzene	12.983	156	11012	4.944	ug/l		98
78) n-propylbenzene	13.035	91	47776	4.921	ug/l		99
79) 2-Chlorotoluene	13.124	91	32460	5.117	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	32685	4.760	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.730	75	5096	5.116	ug/l		93
82) 4-Chlorotoluene	13.218	91	33672	5.044	ug/l		98
83) tert-Butylbenzene	13.435	119	26850	4.724	ug/l		95
84) 1,2,4-Trimethylbenzene	13.483	105	32703	4.614	ug/l		100
85) sec-Butylbenzene	13.612	105	37187	4.632	ug/l		97
86) p-Isopropyltoluene	13.730	119	29767	4.521	ug/l		97
87) 1,3-Dichlorobenzene	13.730	146	22272	5.124	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	22213	4.741	ug/l		91
89) n-Butylbenzene	14.053	91	29010	4.710	ug/l		99
90) Hexachloroethane	14.335	117	7404	5.043	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	22221	5.320	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	3239	5.781	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	11298	4.942	ug/l		99
94) Hexachlorobutadiene	15.500	225	5184	5.163	ug/l		96
95) Naphthalene	15.641	128	32966	4.817	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	11106	5.004	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

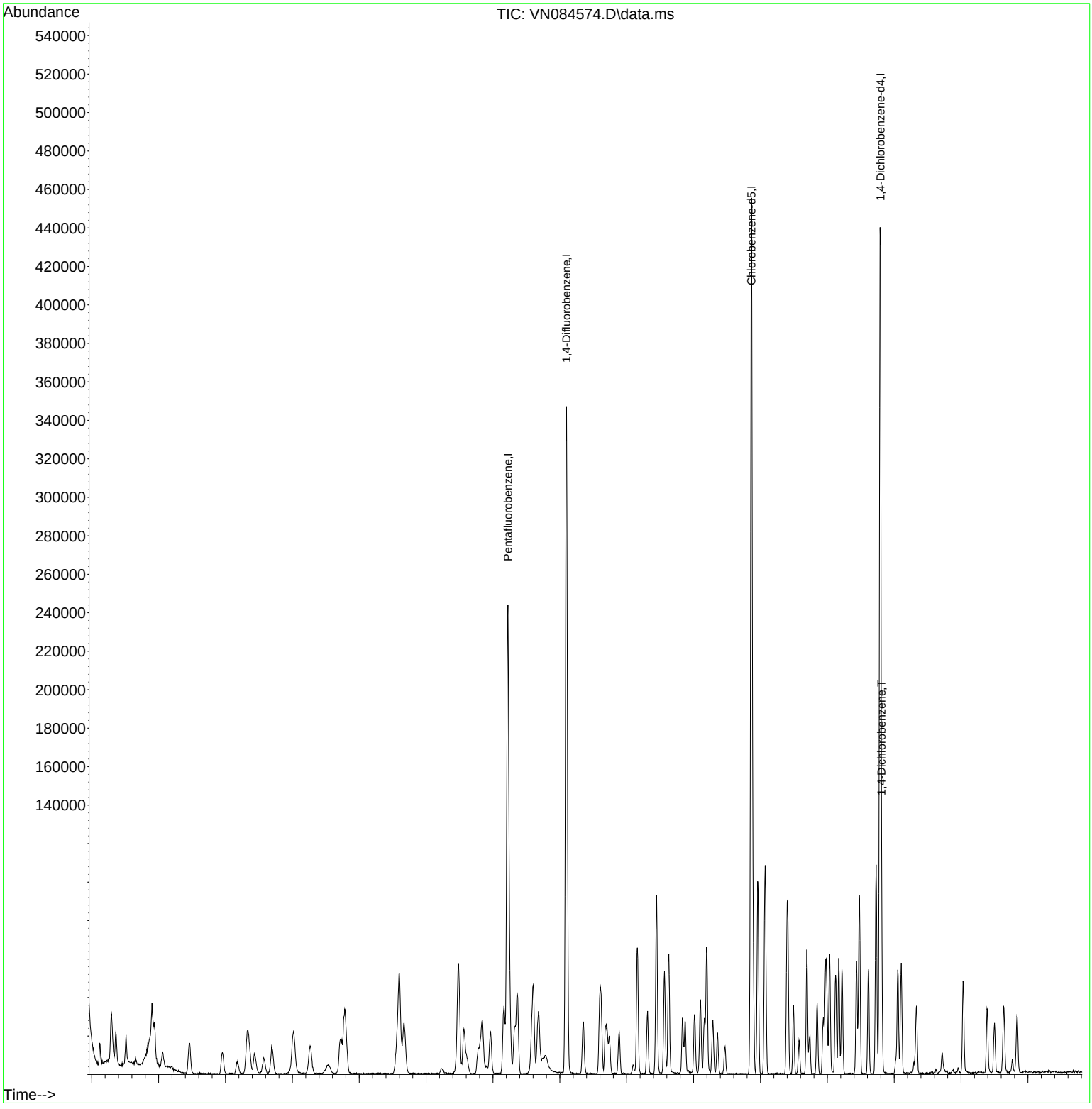
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	168991	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297772	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	250990	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109560	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	1964	1.011	ug/l		100
3) Chloromethane	2.365	50	6046	1.880	ug/l	#	80
4) Vinyl Chloride	2.512	62	1963	0.939	ug/l		89
6) Chloroethane	3.083	64	2917	0.885	ug/l		98
7) Trichlorofluoromethane	3.471	101	3621	1.052	ug/l	#	74
8) Diethyl Ether	3.971	74	1209m	0.996	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.359	101	1982	1.019	ug/l		90
12) 1,1-Dichloroethene	4.336	96	2177	1.131	ug/l	#	68
14) Allyl chloride	5.006	41	2869	0.919	ug/l	#	29
15) Acrylonitrile	5.730	53	4443	4.764	ug/l	#	55
16) Acetone	4.430	43	5707m	5.302	ug/l		
17) Carbon Disulfide	4.700	76	7155	1.207	ug/l	#	93
18) Methyl Acetate	5.024	43	7743	1.954	ug/l	#	89
19) Methyl tert-butyl Ether	5.806	73	5314	0.901	ug/l		95
20) Methylene Chloride	5.271	84	2029	0.945	ug/l	#	81
21) trans-1,2-Dichloroethene	5.789	96	2030	1.027	ug/l	#	78
22) Diisopropyl ether	6.665	45	5485	0.884	ug/l	#	89
23) Vinyl Acetate	6.600	43	18413	4.306	ug/l		96
24) 1,1-Dichloroethane	6.553	63	3491	0.938	ug/l	#	83
25) 2-Butanone	7.494	43	5644	4.956	ug/l	#	88
26) 2,2-Dichloropropane	7.488	77	3152	0.973	ug/l	#	70
27) cis-1,2-Dichloroethene	7.477	96	2275	0.986	ug/l	#	75
28) Bromochloromethane	7.812	49	1450	0.978	ug/l	#	97
29) Tetrahydrofuran	7.847	42	3321	4.396	ug/l		96
30) Chloroform	7.965	83	3463	0.914	ug/l		87
32) 1,1,1-Trichloroethane	8.171	97	3312	0.960	ug/l	#	34
36) 1,1-Dichloropropene	8.365	75	2825	1.011	ug/l		97
37) Ethyl Acetate	7.559	43	2440	0.962	ug/l	#	88
38) Carbon Tetrachloride	8.353	117	2904	0.929	ug/l	#	73
39) Methylcyclohexane	9.600	83	2212	0.778	ug/l		89
40) Benzene	8.600	78	9169	1.021	ug/l		94
41) Methacrylonitrile	7.777	41	1095	0.803	ug/l	#	84
42) 1,2-Dichloroethane	8.665	62	2733	0.940	ug/l		81
43) Isopropyl Acetate	8.688	43	7724	0.697	ug/l	#	78
44) Trichloroethene	9.353	130	2306	1.114	ug/l		74
45) 1,2-Dichloropropane	9.624	63	1967	0.934	ug/l	#	86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.712	93	1472	0.991 ug/l	93
47) Bromodichloromethane	9.882	83	3156	1.008 ug/l #	96
48) Methyl methacrylate	9.682	41	1652	0.837 ug/l #	84
49) 1,4-Dioxane	9.700	88	576	16.468 ug/l #	73
51) 4-Methyl-2-Pentanone	10.441	43	10237	4.234 ug/l	92
52) Toluene	10.629	92	4507	0.858 ug/l	89
53) t-1,3-Dichloropropene	10.835	75	3308	1.020 ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	3266	0.952 ug/l #	94
55) 1,1,2-Trichloroethane	11.012	97	1841	0.931 ug/l #	86
56) Ethyl methacrylate	10.876	69	2211	0.773 ug/l	94
57) 1,3-Dichloropropane	11.165	76	3139	0.925 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	4979	3.720 ug/l #	87
59) 2-Hexanone	11.194	43	7617	4.328 ug/l	89
60) Dibromochloromethane	11.353	129	1857	0.824 ug/l	88
61) 1,2-Dibromoethane	11.465	107	2001	0.988 ug/l	89
64) Tetrachloroethene	11.100	164	1629	0.976 ug/l #	69
65) Chlorobenzene	11.894	112	5753	1.025 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	2002	1.025 ug/l #	61
67) Ethyl Benzene	11.965	91	8520	0.909 ug/l	98
68) m/p-Xylenes	12.070	106	6568	1.851 ug/l	96
69) o-Xylene	12.400	106	2759	0.831 ug/l	99
70) Styrene	12.406	104	5269	0.910 ug/l	95
71) Bromoform	12.582	173	1434	0.976 ug/l #	95
73) Isopropylbenzene	12.694	105	6985	0.910 ug/l	99
74) N-amyl acetate	12.488	43	2680	0.820 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.929	83	2678	1.045 ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	2731m	1.263 ug/l	
77) Bromobenzene	12.982	156	2440	1.182 ug/l	95
78) n-propylbenzene	13.035	91	7935	0.882 ug/l	95
79) 2-Chlorotoluene	13.123	91	5699	0.969 ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	5298	0.833 ug/l	98
82) 4-Chlorotoluene	13.223	91	6682	1.080 ug/l	96
83) tert-Butylbenzene	13.435	119	4148	0.788 ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	5651	0.860 ug/l	98
85) sec-Butylbenzene	13.617	105	6490	0.872 ug/l	93
86) p-Isopropyltoluene	13.729	119	4859	0.796 ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	4961	1.232 ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	6076m	0.801 ug/l	
89) n-Butylbenzene	14.059	91	6020	1.055 ug/l	95
90) Hexachloroethane	14.329	117	1493	1.097 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	4428	1.144 ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.717	75	595	1.146 ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	2964	1.399 ug/l	98
94) Hexachlorobutadiene	15.506	225	1208	1.298 ug/l	88
95) Naphthalene	15.635	128	7352	1.159 ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	2605	1.267 ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

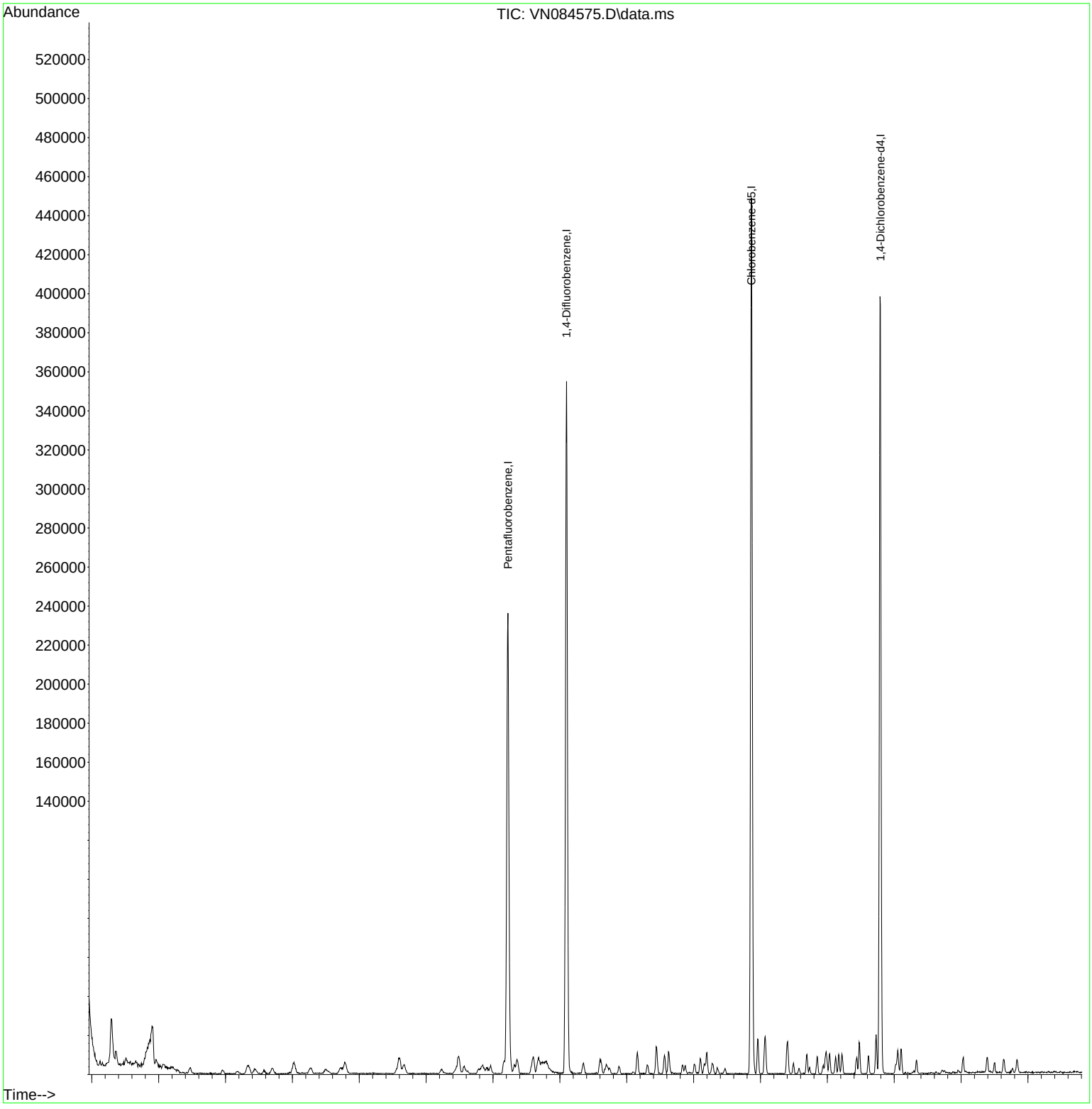
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132029	47.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.120%			
35) Dibromofluoromethane	8.165	113	104306	47.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	10.565	98	390989	48.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.847	95	144180	47.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	101605	45.985	ug/l	97
3) Chloromethane	2.359	50	118060	45.299	ug/l	99
4) Vinyl Chloride	2.512	62	110340	46.430	ug/l	95
5) Bromomethane	2.900	94	54764	43.494	ug/l	100
6) Chloroethane	3.071	64	68330	46.348	ug/l	93
7) Trichlorofluoromethane	3.471	101	178683	45.644	ug/l	98
8) Diethyl Ether	3.959	74	64407	46.640	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101094	45.702	ug/l	98
10) Methyl Iodide	4.577	142	137594	46.542	ug/l	97
11) Tert butyl alcohol	5.536	59	80556	219.840	ug/l	99
12) 1,1-Dichloroethene	4.330	96	99235	45.338	ug/l	99
13) Acrolein	4.171	56	79788	218.362	ug/l	98
14) Allyl chloride	5.012	41	170293	47.975	ug/l	92
15) Acrylonitrile	5.718	53	251141	236.747	ug/l	100
16) Acetone	4.430	43	196070	244.445	ug/l	100
17) Carbon Disulfide	4.700	76	287697	42.682	ug/l	99
18) Methyl Acetate	5.024	43	132834	44.944	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	326067	48.603	ug/l	97
20) Methylene Chloride	5.265	84	111618	45.716	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	101181	45.019	ug/l	98
22) Diisopropyl ether	6.671	45	343763	48.739	ug/l	99
23) Vinyl Acetate	6.600	43	1204384	247.614	ug/l	99
24) 1,1-Dichloroethane	6.559	63	196518	46.408	ug/l	97
25) 2-Butanone	7.483	43	307765	237.635	ug/l	97
26) 2,2-Dichloropropane	7.488	77	166234	45.103	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	121280	46.214	ug/l	97
28) Bromochloromethane	7.806	49	92741	54.971	ug/l	97
29) Tetrahydrofuran	7.835	42	211210	245.822	ug/l	98
30) Chloroform	7.965	83	203935	47.316	ug/l	100
31) Cyclohexane	8.253	56	172671	45.053	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	183488	46.774	ug/l	98
36) 1,1-Dichloropropene	8.365	75	141152	46.370	ug/l	100
37) Ethyl Acetate	7.559	43	132993	48.154	ug/l	99
38) Carbon Tetrachloride	8.359	117	157005	46.145	ug/l	97
39) Methylcyclohexane	9.600	83	154743	49.969	ug/l	99
40) Benzene	8.606	78	452351	46.273	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	77176	51.964	ug/l		99
42) 1,2-Dichloroethane	8.671	62	149173	47.118	ug/l		99
43) Isopropyl Acetate	8.688	43	232558	45.492	ug/l		98
44) Trichloroethene	9.347	130	100849	44.732	ug/l		99
45) 1,2-Dichloropropane	9.618	63	108229	47.196	ug/l		96
46) Dibromomethane	9.706	93	74292	45.911	ug/l		96
47) Bromodichloromethane	9.888	83	158814	46.560	ug/l	#	99
48) Methyl methacrylate	9.676	41	109745	51.057	ug/l		97
49) 1,4-Dioxane	9.694	88	40527	1063.992	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	665397	252.729	ug/l		98
52) Toluene	10.629	92	277957	48.616	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	162100	45.911	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	175008	46.832	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	102553	47.618	ug/l		97
56) Ethyl methacrylate	10.871	69	164370	52.764	ug/l		98
57) 1,3-Dichloropropane	11.165	76	176546	47.765	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	408174	280.013	ug/l		98
59) 2-Hexanone	11.194	43	489776	255.570	ug/l		99
60) Dibromochloromethane	11.359	129	120465	49.079	ug/l		99
61) 1,2-Dibromoethane	11.465	107	102316	46.393	ug/l		100
64) Tetrachloroethene	11.100	164	88124	45.436	ug/l		98
65) Chlorobenzene	11.888	112	292713	44.872	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	105108	46.323	ug/l		99
67) Ethyl Benzene	11.965	91	526140	48.319	ug/l		99
68) m/p-Xylenes	12.070	106	408029	98.979	ug/l		99
69) o-Xylene	12.400	106	194895	50.538	ug/l		99
70) Styrene	12.412	104	333668	49.600	ug/l		98
71) Bromoform	12.576	173	78822	46.166	ug/l	#	98
73) Isopropylbenzene	12.694	105	491033	49.063	ug/l		100
74) N-amyl acetate	12.494	43	209049	49.076	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	147181	44.058	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	122725m	42.988	ug/l		
77) Bromobenzene	12.976	156	119728	44.500	ug/l		97
78) n-propylbenzene	13.035	91	576495	49.156	ug/l		98
79) 2-Chlorotoluene	13.123	91	367294	47.930	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	420675	50.714	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	54512	45.300	ug/l		99
82) 4-Chlorotoluene	13.223	91	361596	44.837	ug/l		98
83) tert-Butylbenzene	13.435	119	361800	52.701	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	428517	50.053	ug/l		100
85) sec-Butylbenzene	13.617	105	483212	49.829	ug/l		100
86) p-Isopropyltoluene	13.729	119	410129	51.568	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	219757	41.852	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	221608	45.904	ug/l		99
89) n-Butylbenzene	14.053	91	341775	45.941	ug/l		100
90) Hexachloroethane	14.329	117	77324	43.597	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	220824	43.765	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30895	45.651	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	111270	40.290	ug/l		98
94) Hexachlorobutadiene	15.500	225	47959	39.544	ug/l		97
95) Naphthalene	15.641	128	375360	45.408	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	108830	40.595	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

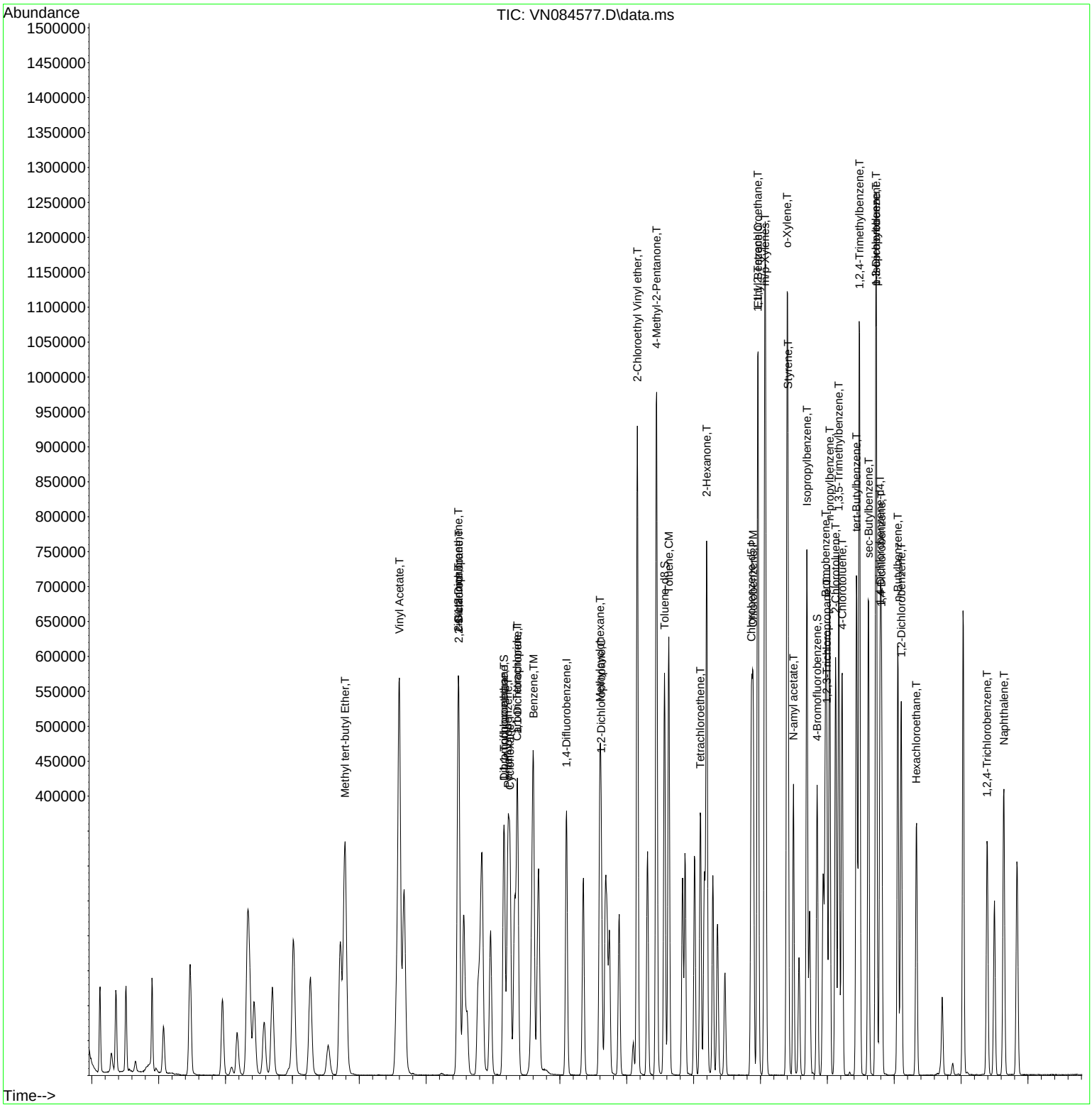
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	0.575	0.529	8.0	99	0.00
3	P	Chloromethane	0.952	0.614	35.5#	94	0.00
4	C	Vinyl Chloride	0.618	0.574	7.1#	98	0.00
5	T	Bromomethane	0.328	0.285	13.1	99	-0.05
6	T	Chloroethane	0.488	0.356	27.0#	97	-0.05
7	T	Trichlorofluoromethane	1.018	0.930	8.6	100	-0.02
8	T	Diethyl Ether	0.359	0.335	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.526	8.5	97	-0.01
10	T	Methyl Iodide	0.769	0.716	6.9	100	-0.02
11	T	Tert butyl alcohol	0.095	0.084	11.6	100	0.01
12	CM	1,1-Dichloroethene	0.569	0.516	9.3#	99	-0.01
13	T	Acrolein	0.095	0.083	12.6	97	0.00
14	T	Allyl chloride	0.923	0.886	4.0	100	-0.01
15	T	Acrylonitrile	0.276	0.261	5.4	99	0.00
16	T	Acetone	0.238	0.204	14.3	103	0.00
17	T	Carbon Disulfide	1.753	1.497	14.6	96	-0.01
18	T	Methyl Acetate	1.172	0.691	41.0#	95	0.00
19	T	Methyl tert-butyl Ether	1.745	1.696	2.8	99	0.00
20	T	Methylene Chloride	0.635	0.581	8.5	99	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.526	10.1	96	-0.01
22	T	Diisopropyl ether	1.835	1.789	2.5	99	0.00
23	T	Vinyl Acetate	1.265	1.253	0.9	99	0.00
24	P	1,1-Dichloroethane	1.102	1.022	7.3	99	-0.01
25	T	2-Butanone	0.337	0.320	5.0	105	0.00
26	T	2,2-Dichloropropane	0.959	0.865	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.631	7.6	98	0.00
28	T	Bromochloromethane	0.439	0.483	-10.0	97	0.00
29	T	Tetrahydrofuran	0.224	0.220	1.8	102	0.00
30	C	Chloroform	1.121	1.061	5.4#	101	0.00
31	T	Cyclohexane	0.997	0.898	9.9	99	0.00
32	T	1,1,1-Trichloroethane	1.021	0.955	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.687	4.8	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.338	0.322	4.7	97	0.00
36	T	1,1-Dichloropropene	0.469	0.435	7.2	100	0.00
37	T	Ethyl Acetate	0.426	0.410	3.8	101	0.00
38	T	Carbon Tetrachloride	0.525	0.484	7.8	98	0.00
39	T	Methylcyclohexane	0.478	0.477	0.2	98	0.00
40	TM	Benzene	1.507	1.395	7.4	100	0.00
41	T	Methacrylonitrile	0.229	0.238	-3.9	101	0.00
42	TM	1,2-Dichloroethane	0.488	0.460	5.7	97	0.00
43	T	Isopropyl Acetate	0.927	0.717	22.7	99	0.00
44	TM	Trichloroethene	0.348	0.311	10.6	97	0.00
45	C	1,2-Dichloropropane	0.354	0.334	5.6#	100	0.00
46	T	Dibromomethane	0.250	0.229	8.4	98	0.00
47	T	Bromodichloromethane	0.526	0.490	6.8	98	0.00
48	T	Methyl methacrylate	0.331	0.338	-2.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	107	0.00
50	S	Toluene-d8	1.247	1.206	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.410	-1.0	101	0.00
52	CM	Toluene	0.882	0.857	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	0.544	0.500	8.1	96	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.540	6.2	97	0.00
55	T	1,1,2-Trichloroethane	0.332	0.316	4.8	100	0.00
56	T	Ethyl methacrylate	0.480	0.507	-5.6	98	0.00
57	T	1,3-Dichloropropane	0.570	0.544	4.6	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.252	-12.0	100	0.00
59	T	2-Hexanone	0.296	0.302	-2.0	101	0.00
60	T	Dibromochloromethane	0.378	0.372	1.6	98	0.00
61	T	1,2-Dibromoethane	0.340	0.316	7.1	98	0.00
62	S	4-Bromofluorobenzene	0.466	0.445	4.5	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.333	0.302	9.3	101	0.00
65	PM	Chlorobenzene	1.119	1.004	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.360	7.5	100	0.00
67	C	Ethyl Benzene	1.867	1.804	3.4#	100	0.00
68	T	m/p-Xylenes	0.707	0.700	1.0	100	0.00
69	T	o-Xylene	0.661	0.668	-1.1	101	0.00
70	T	Styrene	1.154	1.144	0.9	99	0.00
71	P	Bromoform	0.293	0.270	7.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.504	3.438	1.9	99	0.00
74	T	N-amyl acetate	1.491	1.464	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.031	11.9	99	0.00
76	T	1,2,3-Trichloropropane	0.999	0.859	14.0	100	0.00
77	T	Bromobenzene	0.942	0.838	11.0	98	0.00
78	T	n-propylbenzene	4.106	4.037	1.7	98	0.00
79	T	2-Chlorotoluene	2.683	2.572	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.946	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.382	9.3	98	0.00
82	T	4-Chlorotoluene	2.823	2.532	10.3	96	0.00
83	T	tert-Butylbenzene	2.403	2.533	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.000	-0.1	98	0.00
85	T	sec-Butylbenzene	3.395	3.383	0.4	99	0.00
86	T	p-Isopropyltoluene	2.784	2.872	-3.2	97	0.00
87	T	1,3-Dichlorobenzene	1.838	1.539	16.3	95	0.00
88	T	1,4-Dichlorobenzene	1.937	1.552	19.9	96	0.00
89	T	n-Butylbenzene	2.605	2.393	8.1	94	0.00
90	T	Hexachloroethane	0.621	0.541	12.9	95	0.00
91	T	1,2-Dichlorobenzene	1.766	1.546	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.216	8.9	103	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.779	19.4	93	0.00
94	T	Hexachlorobutadiene	0.425	0.336	20.9	94	0.00
95	T	Naphthalene	2.894	2.628	9.2	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.762	18.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	50.000	45.985	8.0	99	0.00
3	P	Chloromethane	50.000	45.299	9.4	94	0.00
4	C	Vinyl Chloride	50.000	46.430	7.1#	98	0.00
5	T	Bromomethane	50.000	43.494	13.0	99	-0.05
6	T	Chloroethane	50.000	46.348	7.3	97	-0.05
7	T	Trichlorofluoromethane	50.000	45.644	8.7	100	-0.02
8	T	Diethyl Ether	50.000	46.640	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.702	8.6	97	-0.01
10	T	Methyl Iodide	50.000	46.542	6.9	100	-0.02
11	T	Tert butyl alcohol	250.000	219.840	12.1	100	0.01
12	CM	1,1-Dichloroethene	50.000	45.338	9.3#	99	-0.01
13	T	Acrolein	250.000	218.362	12.7	97	0.00
14	T	Allyl chloride	50.000	47.975	4.0	100	-0.01
15	T	Acrylonitrile	250.000	236.747	5.3	99	0.00
16	T	Acetone	250.000	244.445	2.2	103	0.00
17	T	Carbon Disulfide	50.000	42.682	14.6	96	-0.01
18	T	Methyl Acetate	50.000	44.944	10.1	95	0.00
19	T	Methyl tert-butyl Ether	50.000	48.603	2.8	99	0.00
20	T	Methylene Chloride	50.000	45.716	8.6	99	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.019	10.0	96	-0.01
22	T	Diisopropyl ether	50.000	48.739	2.5	99	0.00
23	T	Vinyl Acetate	250.000	247.614	1.0	99	0.00
24	P	1,1-Dichloroethane	50.000	46.408	7.2	99	-0.01
25	T	2-Butanone	250.000	237.635	4.9	105	0.00
26	T	2,2-Dichloropropane	50.000	45.103	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.214	7.6	98	0.00
28	T	Bromochloromethane	50.000	54.971	-9.9	97	0.00
29	T	Tetrahydrofuran	250.000	245.822	1.7	102	0.00
30	C	Chloroform	50.000	47.316	5.4#	101	0.00
31	T	Cyclohexane	50.000	45.053	9.9	99	0.00
32	T	1,1,1-Trichloroethane	50.000	46.774	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.560	4.9	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	47.522	5.0	97	0.00
36	T	1,1-Dichloropropene	50.000	46.370	7.3	100	0.00
37	T	Ethyl Acetate	50.000	48.154	3.7	101	0.00
38	T	Carbon Tetrachloride	50.000	46.145	7.7	98	0.00
39	T	Methylcyclohexane	50.000	49.969	0.1	98	0.00
40	TM	Benzene	50.000	46.273	7.5	100	0.00
41	T	Methacrylonitrile	50.000	51.964	-3.9	101	0.00
42	TM	1,2-Dichloroethane	50.000	47.118	5.8	97	0.00
43	T	Isopropyl Acetate	50.000	45.492	9.0	99	0.00
44	TM	Trichloroethene	50.000	44.732	10.5	97	0.00
45	C	1,2-Dichloropropane	50.000	47.196	5.6#	100	0.00
46	T	Dibromomethane	50.000	45.911	8.2	98	0.00
47	T	Bromodichloromethane	50.000	46.560	6.9	98	0.00
48	T	Methyl methacrylate	50.000	51.057	-2.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1063.992	-6.4	107	0.00
50	S	Toluene-d8	50.000	48.359	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.729	-1.1	101	0.00
52	CM	Toluene	50.000	48.616	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	45.911	8.2	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.832	6.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	47.618	4.8	100	0.00
56	T	Ethyl methacrylate	50.000	52.764	-5.5	98	0.00
57	T	1,3-Dichloropropane	50.000	47.765	4.5	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.013	-12.0	100	0.00
59	T	2-Hexanone	250.000	255.570	-2.2	101	0.00
60	T	Dibromochloromethane	50.000	49.079	1.8	98	0.00
61	T	1,2-Dibromoethane	50.000	46.393	7.2	98	0.00
62	S	4-Bromofluorobenzene	50.000	47.715	4.6	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	45.436	9.1	101	0.00
65	PM	Chlorobenzene	50.000	44.872	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.323	7.4	100	0.00
67	C	Ethyl Benzene	50.000	48.319	3.4#	100	0.00
68	T	m/p-Xylenes	100.000	98.979	1.0	100	0.00
69	T	o-Xylene	50.000	50.538	-1.1	101	0.00
70	T	Styrene	50.000	49.600	0.8	99	0.00
71	P	Bromoform	50.000	46.166	7.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	49.063	1.9	99	0.00
74	T	N-amyl acetate	50.000	49.076	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.058	11.9	99	0.00
76	T	1,2,3-Trichloropropane	50.000	42.988	14.0	100	0.00
77	T	Bromobenzene	50.000	44.500	11.0	98	0.00
78	T	n-propylbenzene	50.000	49.156	1.7	98	0.00
79	T	2-Chlorotoluene	50.000	47.930	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.714	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.300	9.4	98	0.00
82	T	4-Chlorotoluene	50.000	44.837	10.3	96	0.00
83	T	tert-Butylbenzene	50.000	52.701	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.053	-0.1	98	0.00
85	T	sec-Butylbenzene	50.000	49.829	0.3	99	0.00
86	T	p-Isopropyltoluene	50.000	51.568	-3.1	97	0.00
87	T	1,3-Dichlorobenzene	50.000	41.852	16.3	95	0.00
88	T	1,4-Dichlorobenzene	50.000	45.904	8.2	96	0.00
89	T	n-Butylbenzene	50.000	45.941	8.1	94	0.00
90	T	Hexachloroethane	50.000	43.597	12.8	95	0.00
91	T	1,2-Dichlorobenzene	50.000	43.765	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.651	8.7	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	40.290	19.4	93	0.00
94	T	Hexachlorobutadiene	50.000	39.544	20.9	94	0.00
95	T	Naphthalene	50.000	45.408	9.2	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	40.595	18.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN084815.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/13/2024 09:52

Lab File ID: VN084815.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.546		-5.04	20
Chloromethane	0.952	0.608	0.1	-36.13	20
Vinyl Chloride	0.618	0.665		7.61	20
Bromomethane	0.328	0.336		2.44	20
Chloroethane	0.488	0.417		-14.55	20
Trichlorofluoromethane	1.018	1.038		1.97	20
1,1,2-Trichlorotrifluoroethane	0.575	0.578		0.52	20
Tert butyl alcohol	0.095	0.080		-15.79	20
1,1-Dichloroethene	0.569	0.539		-5.27	20
Acetone	0.238	0.205		-13.87	20
Carbon Disulfide	1.753	1.531		-12.66	20
Methyl tert-butyl Ether	1.745	1.800		3.15	20
Methyl Acetate	1.172	0.631		-46.16	20
Methylene Chloride	0.635	0.600		-5.51	20
trans-1,2-Dichloroethene	0.585	0.566		-3.25	20
1,1-Dichloroethane	1.102	1.068	0.1	-3.09	20
Cyclohexane	0.997	0.913		-8.43	20
2-Butanone	0.337	0.325		-3.56	20
Carbon Tetrachloride	0.525	0.567		8	20
cis-1,2-Dichloroethene	0.683	0.673		-1.46	20
Bromochloromethane	0.439	0.474		7.97	20
Chloroform	1.121	1.116		-0.45	20
1,1,1-Trichloroethane	1.021	1.034		1.27	20
Methylcyclohexane	0.478	0.545		14.02	20
Benzene	1.507	1.535		1.86	20
1,2-Dichloroethane	0.488	0.515		5.53	20
Trichloroethene	0.348	0.357		2.59	20
1,2-Dichloropropane	0.354	0.368		3.95	20
Bromodichloromethane	0.526	0.545		3.61	20
4-Methyl-2-Pentanone	0.406	0.412		1.48	20
Toluene	0.882	0.942		6.8	20
t-1,3-Dichloropropene	0.544	0.546		0.37	20
cis-1,3-Dichloropropene	0.576	0.603		4.69	20
1,1,2-Trichloroethane	0.332	0.345		3.92	20
2-Hexanone	0.296	0.312		5.41	20
Dibromochloromethane	0.378	0.403		6.61	20
1,2-Dibromoethane	0.340	0.339		-0.29	20
Tetrachloroethene	0.333	0.370		11.11	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/13/2024 09:52

Lab File ID: VN084815.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.119	1.142	0.3	2.06	20
Ethyl Benzene	1.867	2.028		8.62	20
m/p-Xylenes	0.707	0.777		9.9	20
o-Xylene	0.661	0.751		13.62	20
Styrene	1.154	1.259		9.1	20
Bromoform	0.293	0.315	0.1	7.51	20
Isopropylbenzene	3.504	3.640		3.88	20
1,1,2,2-Tetrachloroethane	1.170	1.056	0.3	-9.74	20
1,3-Dichlorobenzene	1.838	1.698		-7.62	20
1,4-Dichlorobenzene	1.937	1.702		-12.13	20
1,2-Dichlorobenzene	1.766	1.640		-7.14	20
1,2-Dibromo-3-Chloropropane	0.237	0.194		-18.14	20
1,2,4-Trichlorobenzene	0.967	0.823		-14.89	20
1,2,3-Trichlorobenzene	0.939	0.834		-11.18	20
1,2-Dichloroethane-d4	0.722	0.681		-5.68	20
Dibromofluoromethane	0.338	0.348		2.96	20
Toluene-d8	1.247	1.247		0	20
4-Bromofluorobenzene	0.466	0.482		3.43	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	176295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	281546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120107	47.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.340%			
35) Dibromofluoromethane	8.159	113	97958	51.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	10.559	98	351154	50.021	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.847	95	135745	51.739	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	96195	47.465	ug/l	94
3) Chloromethane	2.359	50	107226	44.829	ug/l	100
4) Vinyl Chloride	2.512	62	117161	53.749	ug/l	96
5) Bromomethane	2.906	94	59293	51.340	ug/l	95
6) Chloroethane	3.077	64	73561	54.647	ug/l	98
7) Trichlorofluoromethane	3.471	101	182918	50.942	ug/l	93
8) Diethyl Ether	3.959	74	63024	49.756	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	101897	50.222	ug/l	96
10) Methyl Iodide	4.577	142	140001	51.629	ug/l	97
11) Tert butyl alcohol	5.530	59	70720	210.411	ug/l	100
12) 1,1-Dichloroethene	4.324	96	95055	47.347	ug/l	96
13) Acrolein	4.171	56	65521	195.496	ug/l	99
14) Allyl chloride	5.012	41	150935	46.358	ug/l	94
15) Acrylonitrile	5.712	53	227445	233.755	ug/l	98
16) Acetone	4.424	43	180714	245.643	ug/l	100
17) Carbon Disulfide	4.700	76	269968	43.666	ug/l	97
18) Methyl Acetate	5.018	43	111174	40.630	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	317360	51.574	ug/l	100
20) Methylene Chloride	5.271	84	105808	47.246	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	99711	48.368	ug/l	97
22) Diisopropyl ether	6.665	45	314968	48.685	ug/l	98
23) Vinyl Acetate	6.594	43	1120244	251.096	ug/l	99
24) 1,1-Dichloroethane	6.559	63	188301	48.480	ug/l	97
25) 2-Butanone	7.477	43	286555	241.222	ug/l	96
26) 2,2-Dichloropropane	7.483	77	173974	51.462	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	118677	49.303	ug/l	96
28) Bromochloromethane	7.806	49	83558	53.996	ug/l	92
29) Tetrahydrofuran	7.835	42	182415	231.465	ug/l	94
30) Chloroform	7.959	83	196747	49.768	ug/l	100
31) Cyclohexane	8.253	56	160995	45.797	ug/l	93
32) 1,1,1-Trichloroethane	8.159	97	182339	50.675	ug/l	98
36) 1,1-Dichloropropene	8.365	75	134688	50.960	ug/l	98
37) Ethyl Acetate	7.553	43	118334	49.347	ug/l	96
38) Carbon Tetrachloride	8.359	117	159542	54.005	ug/l	98
39) Methylcyclohexane	9.594	83	153429	57.062	ug/l	98
40) Benzene	8.600	78	432055	50.902	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	66538	51.598 ug/l		95
42) 1,2-Dichloroethane	8.665	62	145008	52.752 ug/l		99
43) Isopropyl Acetate	8.682	43	213313	48.114 ug/l		98
44) Trichloroethene	9.347	130	100437	51.308 ug/l		98
45) 1,2-Dichloropropane	9.618	63	103643	52.053 ug/l		99
46) Dibromomethane	9.700	93	72822	51.831 ug/l		97
47) Bromodichloromethane	9.882	83	153343	51.777 ug/l	#	98
48) Methyl methacrylate	9.677	41	92115	49.357 ug/l		93
49) 1,4-Dioxane	9.694	88	33022	998.496 ug/l	#	82
51) 4-Methyl-2-Pentanone	10.441	43	580539	253.954 ug/l		98
52) Toluene	10.629	92	265281	53.439 ug/l		99
53) t-1,3-Dichloropropene	10.829	75	153620	50.111 ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	169890	52.361 ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	97167	51.963 ug/l		95
56) Ethyl methacrylate	10.871	69	149768	55.371 ug/l		94
57) 1,3-Dichloropropane	11.159	76	167938	52.330 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	350740	277.120 ug/l		96
59) 2-Hexanone	11.194	43	439014	263.840 ug/l		97
60) Dibromochloromethane	11.353	129	113439	53.229 ug/l		99
61) 1,2-Dibromoethane	11.465	107	95450	49.846 ug/l		99
64) Tetrachloroethene	11.100	164	89817	55.554 ug/l		99
65) Chlorobenzene	11.888	112	277610	51.053 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	102195	54.032 ug/l		99
67) Ethyl Benzene	11.959	91	492839	54.298 ug/l		99
68) m/p-Xylenes	12.065	106	377788	109.941 ug/l		99
69) o-Xylene	12.394	106	182515	56.777 ug/l		98
70) Styrene	12.406	104	306011	54.571 ug/l		99
71) Bromoform	12.576	173	76509	53.758 ug/l	#	98
73) Isopropylbenzene	12.694	105	461304	51.948 ug/l		100
74) N-amyl acetate	12.494	43	178664	47.271 ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	133876	45.166 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	123787m	48.869 ug/l		
77) Bromobenzene	12.976	156	113968	47.740 ug/l		93
78) n-propylbenzene	13.035	91	541039	51.993 ug/l		99
79) 2-Chlorotoluene	13.123	91	340930	50.141 ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	401124	54.500 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	49512	46.372 ug/l		92
82) 4-Chlorotoluene	13.217	91	344801	48.186 ug/l		99
83) tert-Butylbenzene	13.435	119	336487	55.241 ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	409543	53.914 ug/l		100
85) sec-Butylbenzene	13.612	105	466097	54.170 ug/l		100
86) p-Isopropyltoluene	13.723	119	398693	56.499 ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	215220	46.195 ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	215716	50.517 ug/l		99
89) n-Butylbenzene	14.053	91	331088	50.158 ug/l		99
90) Hexachloroethane	14.329	117	73345	46.607 ug/l		94
91) 1,2-Dichlorobenzene	14.100	146	207784	46.412 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	24575	40.926 ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	104240	42.540 ug/l		98
94) Hexachlorobutadiene	15.500	225	50297	46.740 ug/l		98
95) Naphthalene	15.635	128	320037	43.634 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	105664	44.421 ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084815.D**

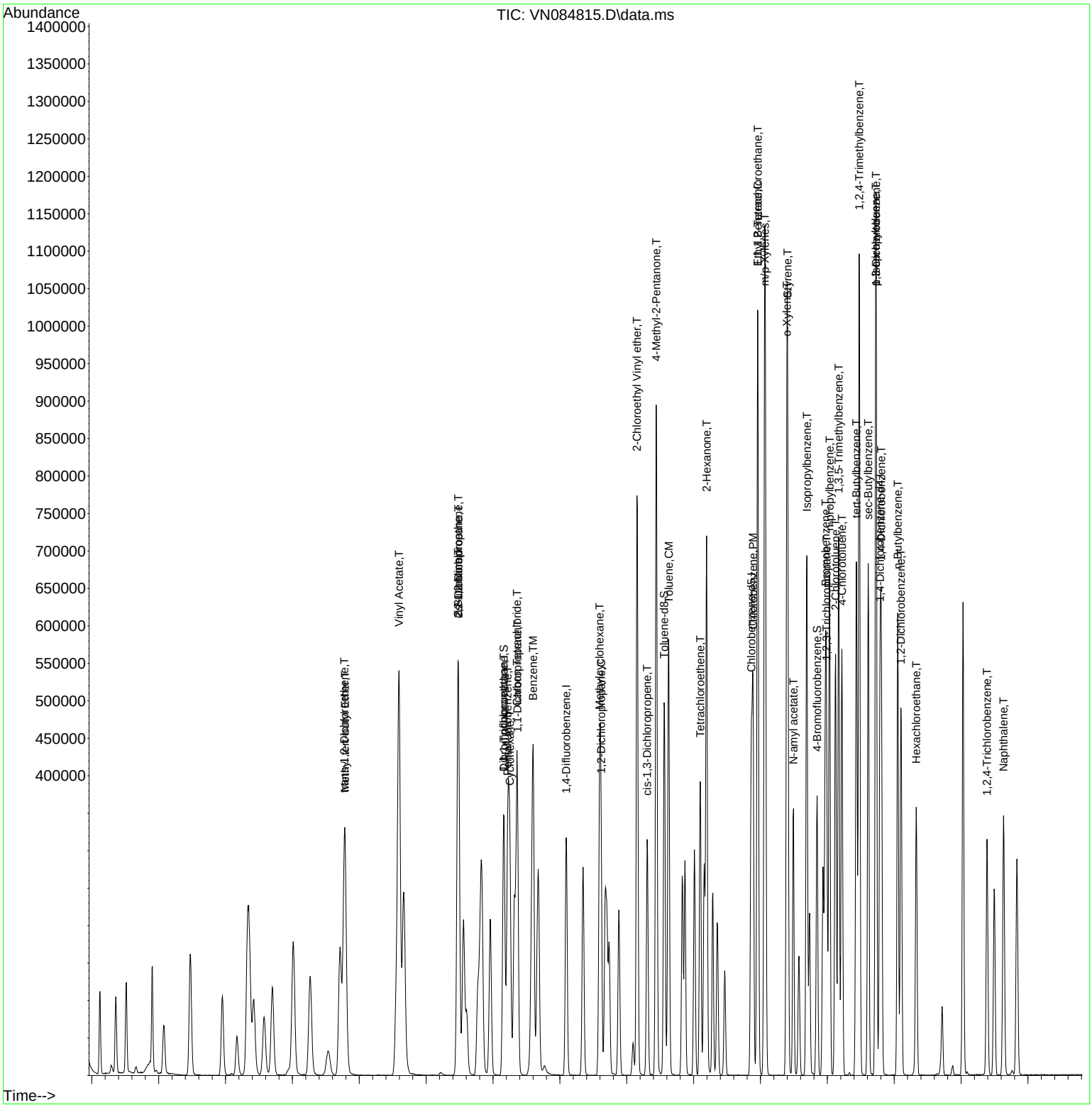
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024



Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.575	0.546	5.0	93	0.00
3	P	Chloromethane	0.952	0.608	36.1#	86	0.00
4	C	Vinyl Chloride	0.618	0.665	-7.6#	104	0.00
5	T	Bromomethane	0.328	0.336	-2.4	107	-0.05
6	T	Chloroethane	0.488	0.417	14.5	105	-0.04
7	T	Trichlorofluoromethane	1.018	1.038	-2.0	102	-0.02
8	T	Diethyl Ether	0.359	0.357	0.6	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.578	-0.5	98	-0.01
10	T	Methyl Iodide	0.769	0.794	-3.3	102	-0.02
11	T	Tert butyl alcohol	0.095	0.080	15.8	88	0.00
12	CM	1,1-Dichloroethene	0.569	0.539	5.3#	95	-0.02
13	T	Acrolein	0.095	0.074	22.1	80	0.00
14	T	Allyl chloride	0.923	0.856	7.3	88	-0.01
15	T	Acrylonitrile	0.276	0.258	6.5	90	0.00
16	T	Acetone	0.238	0.205	13.9	95	0.00
17	T	Carbon Disulfide	1.753	1.531	12.7	90	-0.01
18	T	Methyl Acetate	1.172	0.631	46.2#	80	0.00
19	T	Methyl tert-butyl Ether	1.745	1.800	-3.2	97	0.00
20	T	Methylene Chloride	0.635	0.600	5.5	94	0.00
21	T	trans-1,2-Dichloroethene	0.585	0.566	3.2	95	-0.01
22	T	Diisopropyl ether	1.835	1.787	2.6	91	0.00
23	T	Vinyl Acetate	1.265	1.271	-0.5	92	0.00
24	P	1,1-Dichloroethane	1.102	1.068	3.1	95	-0.01
25	T	2-Butanone	0.337	0.325	3.6	97	0.00
26	T	2,2-Dichloropropane	0.959	0.987	-2.9	99	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.673	1.5	96	0.00
28	T	Bromochloromethane	0.439	0.474	-8.0	88	0.00
29	T	Tetrahydrofuran	0.224	0.207	7.6	88	0.00
30	C	Chloroform	1.121	1.116	0.4#	97	0.00
31	T	Cyclohexane	0.997	0.913	8.4	92	0.00
32	T	1,1,1-Trichloroethane	1.021	1.034	-1.3	99	-0.01
33	S	1,2-Dichloroethane-d4	0.722	0.681	5.7	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35	S	Dibromofluoromethane	0.338	0.348	-3.0	91	0.00
36	T	1,1-Dichloropropene	0.469	0.478	-1.9	96	0.00
37	T	Ethyl Acetate	0.426	0.420	1.4	90	0.00
38	T	Carbon Tetrachloride	0.525	0.567	-8.0	100	0.00
39	T	Methylcyclohexane	0.478	0.545	-14.0	97	0.00
40	TM	Benzene	1.507	1.535	-1.9	96	0.00
41	T	Methacrylonitrile	0.229	0.236	-3.1	87	0.00
42	TM	1,2-Dichloroethane	0.488	0.515	-5.5	94	0.00
43	T	Isopropyl Acetate	0.927	0.758	18.2	91	0.00
44	TM	Trichloroethene	0.348	0.357	-2.6	96	0.00
45	C	1,2-Dichloropropane	0.354	0.368	-4.0#	96	0.00
46	T	Dibromomethane	0.250	0.259	-3.6	96	0.00
47	T	Bromodichloromethane	0.526	0.545	-3.6	94	0.00
48	T	Methyl methacrylate	0.331	0.327	1.2	85	0.00

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	88	0.00
50	S	Toluene-d8	1.247	1.247	0.0	87	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.412	-1.5	88	0.00
52	CM	Toluene	0.882	0.942	-6.8#	95	0.00
53	T	t-1,3-Dichloropropene	0.544	0.546	-0.4	91	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.603	-4.7	94	0.00
55	T	1,1,2-Trichloroethane	0.332	0.345	-3.9	95	0.00
56	T	Ethyl methacrylate	0.480	0.532	-10.8	89	0.00
57	T	1,3-Dichloropropane	0.570	0.596	-4.6	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.249	-10.7	86	0.00
59	T	2-Hexanone	0.296	0.312	-5.4	90	0.00
60	T	Dibromochloromethane	0.378	0.403	-6.6	92	0.00
61	T	1,2-Dibromoethane	0.340	0.339	0.3	92	0.00
62	S	4-Bromofluorobenzene	0.466	0.482	-3.4	88	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64	T	Tetrachloroethene	0.333	0.370	-11.1	103	0.00
65	PM	Chlorobenzene	1.119	1.142	-2.1	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.420	-8.0	97	0.00
67	C	Ethyl Benzene	1.867	2.028	-8.6#	93	0.00
68	T	m/p-Xylenes	0.707	0.777	-9.9	93	0.00
69	T	o-Xylene	0.661	0.751	-13.6	95	0.00
70	T	Styrene	1.154	1.259	-9.1	91	0.00
71	P	Bromoform	0.293	0.315	-7.5	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.504	3.640	-3.9	93	0.00
74	T	N-amyl acetate	1.491	1.410	5.4	85	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.056	9.7	90	0.00
76	T	1,2,3-Trichloropropane	0.999	0.977	2.2	101	0.00
77	T	Bromobenzene	0.942	0.899	4.6	93	0.00
78	T	n-propylbenzene	4.106	4.270	-4.0	92	0.00
79	T	2-Chlorotoluene	2.683	2.690	-0.3	94	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.165	-9.0	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.391	7.1	89	0.00
82	T	4-Chlorotoluene	2.823	2.721	3.6	92	0.00
83	T	tert-Butylbenzene	2.403	2.655	-10.5	96	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.232	-7.8	94	0.00
85	T	sec-Butylbenzene	3.395	3.678	-8.3	95	0.00
86	T	p-Isopropyltoluene	2.784	3.146	-13.0	95	0.00
87	T	1,3-Dichlorobenzene	1.838	1.698	7.6	93	0.00
88	T	1,4-Dichlorobenzene	1.937	1.702	12.1	93	0.00
89	T	n-Butylbenzene	2.605	2.613	-0.3	91	0.00
90	T	Hexachloroethane	0.621	0.579	6.8	90	0.00
91	T	1,2-Dichlorobenzene	1.766	1.640	7.1	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.194	18.1	82	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.823	14.9	87	0.00
94	T	Hexachlorobutadiene	0.425	0.397	6.6	99	0.00
95	T	Naphthalene	2.894	2.526	12.7	83	0.00

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.834	11.2	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	50.000	47.465	5.1	93	0.00
3	P	Chloromethane	50.000	44.829	10.3	86	0.00
4	C	Vinyl Chloride	50.000	53.749	-7.5#	104	0.00
5	T	Bromomethane	50.000	51.340	-2.7	107	-0.05
6	T	Chloroethane	50.000	54.647	-9.3	105	-0.04
7	T	Trichlorofluoromethane	50.000	50.942	-1.9	102	-0.02
8	T	Diethyl Ether	50.000	49.756	0.5	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.222	-0.4	98	-0.01
10	T	Methyl Iodide	50.000	51.629	-3.3	102	-0.02
11	T	Tert butyl alcohol	250.000	210.411	15.8	88	0.00
12	CM	1,1-Dichloroethene	50.000	47.347	5.3#	95	-0.02
13	T	Acrolein	250.000	195.496	21.8	80	0.00
14	T	Allyl chloride	50.000	46.358	7.3	88	-0.01
15	T	Acrylonitrile	250.000	233.755	6.5	90	0.00
16	T	Acetone	250.000	245.643	1.7	95	0.00
17	T	Carbon Disulfide	50.000	43.666	12.7	90	-0.01
18	T	Methyl Acetate	50.000	40.630	18.7	80	0.00
19	T	Methyl tert-butyl Ether	50.000	51.574	-3.1	97	0.00
20	T	Methylene Chloride	50.000	47.246	5.5	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.368	3.3	95	-0.01
22	T	Diisopropyl ether	50.000	48.685	2.6	91	0.00
23	T	Vinyl Acetate	250.000	251.096	-0.4	92	0.00
24	P	1,1-Dichloroethane	50.000	48.480	3.0	95	-0.01
25	T	2-Butanone	250.000	241.222	3.5	97	0.00
26	T	2,2-Dichloropropane	50.000	51.462	-2.9	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.303	1.4	96	0.00
28	T	Bromochloromethane	50.000	53.996	-8.0	88	0.00
29	T	Tetrahydrofuran	250.000	231.465	7.4	88	0.00
30	C	Chloroform	50.000	49.768	0.5#	97	0.00
31	T	Cyclohexane	50.000	45.797	8.4	92	0.00
32	T	1,1,1-Trichloroethane	50.000	50.675	-1.3	99	-0.01
33	S	1,2-Dichloroethane-d4	50.000	47.169	5.7	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35	S	Dibromofluoromethane	50.000	51.402	-2.8	91	0.00
36	T	1,1-Dichloropropene	50.000	50.960	-1.9	96	0.00
37	T	Ethyl Acetate	50.000	49.347	1.3	90	0.00
38	T	Carbon Tetrachloride	50.000	54.005	-8.0	100	0.00
39	T	Methylcyclohexane	50.000	57.062	-14.1	97	0.00
40	TM	Benzene	50.000	50.902	-1.8	96	0.00
41	T	Methacrylonitrile	50.000	51.598	-3.2	87	0.00
42	TM	1,2-Dichloroethane	50.000	52.752	-5.5	94	0.00
43	T	Isopropyl Acetate	50.000	48.114	3.8	91	0.00
44	TM	Trichloroethene	50.000	51.308	-2.6	96	0.00
45	C	1,2-Dichloropropane	50.000	52.053	-4.1#	96	0.00
46	T	Dibromomethane	50.000	51.831	-3.7	96	0.00
47	T	Bromodichloromethane	50.000	51.777	-3.6	94	0.00
48	T	Methyl methacrylate	50.000	49.357	1.3	85	0.00

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	998.496	0.2	88	0.00
50	S	Toluene-d8	50.000	50.021	-0.0	87	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.954	-1.6	88	0.00
52	CM	Toluene	50.000	53.439	-6.9#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	50.111	-0.2	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.361	-4.7	94	0.00
55	T	1,1,2-Trichloroethane	50.000	51.963	-3.9	95	0.00
56	T	Ethyl methacrylate	50.000	55.371	-10.7	89	0.00
57	T	1,3-Dichloropropane	50.000	52.330	-4.7	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	277.120	-10.8	86	0.00
59	T	2-Hexanone	250.000	263.840	-5.5	90	0.00
60	T	Dibromochloromethane	50.000	53.229	-6.5	92	0.00
61	T	1,2-Dibromoethane	50.000	49.846	0.3	92	0.00
62	S	4-Bromofluorobenzene	50.000	51.739	-3.5	88	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64	T	Tetrachloroethene	50.000	55.554	-11.1	103	0.00
65	PM	Chlorobenzene	50.000	51.053	-2.1	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.032	-8.1	97	0.00
67	C	Ethyl Benzene	50.000	54.298	-8.6#	93	0.00
68	T	m/p-Xylenes	100.000	109.941	-9.9	93	0.00
69	T	o-Xylene	50.000	56.777	-13.6	95	0.00
70	T	Styrene	50.000	54.571	-9.1	91	0.00
71	P	Bromoform	50.000	53.758	-7.5	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	51.948	-3.9	93	0.00
74	T	N-amyl acetate	50.000	47.271	5.5	85	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.166	9.7	90	0.00
76	T	1,2,3-Trichloropropane	50.000	48.869	2.3	101	0.00
77	T	Bromobenzene	50.000	47.740	4.5	93	0.00
78	T	n-propylbenzene	50.000	51.993	-4.0	92	0.00
79	T	2-Chlorotoluene	50.000	50.141	-0.3	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.500	-9.0	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.372	7.3	89	0.00
82	T	4-Chlorotoluene	50.000	48.186	3.6	92	0.00
83	T	tert-Butylbenzene	50.000	55.241	-10.5	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.914	-7.8	94	0.00
85	T	sec-Butylbenzene	50.000	54.170	-8.3	95	0.00
86	T	p-Isopropyltoluene	50.000	56.499	-13.0	95	0.00
87	T	1,3-Dichlorobenzene	50.000	46.195	7.6	93	0.00
88	T	1,4-Dichlorobenzene	50.000	50.517	-1.0	93	0.00
89	T	n-Butylbenzene	50.000	50.158	-0.3	91	0.00
90	T	Hexachloroethane	50.000	46.607	6.8	90	0.00
91	T	1,2-Dichlorobenzene	50.000	46.412	7.2	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	40.926	18.1	82	0.00
93	T	1,2,4-Trichlorobenzene	50.000	42.540	14.9	87	0.00
94	T	Hexachlorobutadiene	50.000	46.740	6.5	99	0.00
95	T	Naphthalene	50.000	43.634	12.7	83	0.00

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.421	11.2	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN084842.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/14/2024 09:54

Lab File ID: VN084842.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.573		-0.35	20
Chloromethane	0.952	0.649	0.1	-31.83	20
Vinyl Chloride	0.618	0.704		13.92	20
Bromomethane	0.328	0.344		4.88	20
Chloroethane	0.488	0.457		-6.35	20
Trichlorofluoromethane	1.018	1.101		8.15	20
1,1,2-Trichlorotrifluoroethane	0.575	0.605		5.22	20
Tert butyl alcohol	0.095	0.088		-7.37	20
1,1-Dichloroethene	0.569	0.578		1.58	20
Acetone	0.238	0.224		-5.88	20
Carbon Disulfide	1.753	1.595		-9.01	20
Methyl tert-butyl Ether	1.745	1.942		11.29	20
Methyl Acetate	1.172	0.687		-41.38	20
Methylene Chloride	0.635	0.652		2.68	20
trans-1,2-Dichloroethene	0.585	0.598		2.22	20
1,1-Dichloroethane	1.102	1.128	0.1	2.36	20
Cyclohexane	0.997	0.993		-0.4	20
2-Butanone	0.337	0.338		0.3	20
Carbon Tetrachloride	0.525	0.586		11.62	20
cis-1,2-Dichloroethene	0.683	0.720		5.42	20
Bromochloromethane	0.439	0.442		0.68	20
Chloroform	1.121	1.197		6.78	20
1,1,1-Trichloroethane	1.021	1.100		7.74	20
Methylcyclohexane	0.478	0.569		19.04	20
Benzene	1.507	1.597		5.97	20
1,2-Dichloroethane	0.488	0.528		8.2	20
Trichloroethene	0.348	0.361		3.74	20
1,2-Dichloropropane	0.354	0.387		9.32	20
Bromodichloromethane	0.526	0.568		7.99	20
4-Methyl-2-Pentanone	0.406	0.431		6.16	20
Toluene	0.882	0.979		11	20
t-1,3-Dichloropropene	0.544	0.568		4.41	20
cis-1,3-Dichloropropene	0.576	0.622		7.99	20
1,1,2-Trichloroethane	0.332	0.352		6.02	20
2-Hexanone	0.296	0.328		10.81	20
Dibromochloromethane	0.378	0.419		10.85	20
1,2-Dibromoethane	0.340	0.354		4.12	20
Tetrachloroethene	0.333	0.364		9.31	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VN084842.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/14/2024 09:54

Lab File ID: VN084842.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.119	1.180	0.3	5.45	20
Ethyl Benzene	1.867	2.143		14.78	20
m/p-Xylenes	0.707	0.810		14.57	20
o-Xylene	0.661	0.781		18.15	20
Styrene	1.154	1.325		14.82	20
Bromoform	0.293	0.325	0.1	10.92	20
Isopropylbenzene	3.504	3.958		12.96	20
1,1,2,2-Tetrachloroethane	1.170	1.145	0.3	-2.14	20
1,3-Dichlorobenzene	1.838	1.791		-2.56	20
1,4-Dichlorobenzene	1.937	1.765		-8.88	20
1,2-Dichlorobenzene	1.766	1.712		-3.06	20
1,2-Dibromo-3-Chloropropane	0.237	0.214		-9.7	20
1,2,4-Trichlorobenzene	0.967	0.881		-8.89	20
1,2,3-Trichlorobenzene	0.939	0.866		-7.77	20
1,2-Dichloroethane-d4	0.722	0.657		-9	20
Dibromofluoromethane	0.338	0.320		-5.32	20
Toluene-d8	1.247	1.188		-4.73	20
4-Bromofluorobenzene	0.466	0.459		-1.5	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084842.D
Acq On : 14 Nov 2024 09:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 00:41:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	192160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	316615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	272995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	126211	45.474	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.940%			
35) Dibromofluoromethane	8.159	113	101367	47.299	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.600%			
50) Toluene-d8	10.559	98	376126	47.644	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.280%			
62) 4-Bromofluorobenzene	12.847	95	145405	49.283	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	110023	49.806	ug/l	94
3) Chloromethane	2.359	50	124740	48.024	ug/l	98
4) Vinyl Chloride	2.512	62	135249	56.924	ug/l	97
5) Bromomethane	2.901	94	66030	52.453	ug/l	98
6) Chloroethane	3.077	64	87756	59.946	ug/l	99
7) Trichlorofluoromethane	3.471	101	211513	54.042	ug/l	100
8) Diethyl Ether	3.953	74	73060	52.917	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	116230	52.556	ug/l	97
10) Methyl Iodide	4.577	142	162502	54.979	ug/l	95
11) Tert butyl alcohol	5.530	59	84361	230.274	ug/l #	86
12) 1,1-Dichloroethene	4.324	96	111145	50.791	ug/l	93
13) Acrolein	4.171	56	73935	202.388	ug/l	100
14) Allyl chloride	5.012	41	178964	50.428	ug/l	94
15) Acrylonitrile	5.712	53	261340	246.415	ug/l	100
16) Acetone	4.418	43	215664	269.221	ug/l	97
17) Carbon Disulfide	4.700	76	306540	45.487	ug/l	100
18) Methyl Acetate	5.012	43	131986	44.640	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	373118	55.629	ug/l	97
20) Methylene Chloride	5.265	84	125296	51.329	ug/l	88
21) trans-1,2-Dichloroethene	5.777	96	114964	51.163	ug/l	99
22) Diisopropyl ether	6.665	45	371226	52.644	ug/l	97
23) Vinyl Acetate	6.594	43	1294265	266.151	ug/l	98
24) 1,1-Dichloroethane	6.559	63	216681	51.181	ug/l	97
25) 2-Butanone	7.477	43	325094	251.070	ug/l	98
26) 2,2-Dichloropropane	7.483	77	205456	55.757	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	138333	52.724	ug/l	96
28) Bromochloromethane	7.806	49	84866	50.314	ug/l	92
29) Tetrahydrofuran	7.836	42	214340	249.519	ug/l	94
30) Chloroform	7.959	83	229955	53.365	ug/l	99
31) Cyclohexane	8.253	56	190733	49.777	ug/l	98
32) 1,1,1-Trichloroethane	8.159	97	211450	53.913	ug/l	97
36) 1,1-Dichloropropene	8.365	75	160171	53.889	ug/l	99
37) Ethyl Acetate	7.553	43	138233	51.261	ug/l	98
38) Carbon Tetrachloride	8.353	117	185450	55.822	ug/l	99
39) Methylcyclohexane	9.594	83	180001	59.530	ug/l	100
40) Benzene	8.600	78	505504	52.959	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084842.D
Acq On : 14 Nov 2024 09:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 00:41:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	77958	53.758	ug/l		96
42) 1,2-Dichloroethane	8.665	62	167241	54.101	ug/l		99
43) Isopropyl Acetate	8.683	43	245198	49.202	ug/l		97
44) Trichloroethene	9.347	130	114187	51.871	ug/l		98
45) 1,2-Dichloropropane	9.618	63	122477	54.699	ug/l		100
46) Dibromomethane	9.706	93	83421	52.798	ug/l		96
47) Bromodichloromethane	9.882	83	179953	54.032	ug/l	#	97
48) Methyl methacrylate	9.677	41	110608	52.702	ug/l		94
49) 1,4-Dioxane	9.694	88	37477	1007.687	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.441	43	681760	265.200	ug/l		98
52) Toluene	10.624	92	309874	55.508	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	179801	52.155	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	196989	53.988	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	111405	52.978	ug/l		96
56) Ethyl methacrylate	10.871	69	177050	58.208	ug/l		93
57) 1,3-Dichloropropane	11.159	76	194987	54.028	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	379841	266.872	ug/l		96
59) 2-Hexanone	11.194	43	519264	277.503	ug/l		98
60) Dibromochloromethane	11.359	129	132584	55.321	ug/l		99
61) 1,2-Dibromoethane	11.465	107	112189	52.099	ug/l		99
64) Tetrachloroethene	11.100	164	99428	54.755	ug/l		96
65) Chlorobenzene	11.888	112	322156	52.749	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	118016	55.554	ug/l		98
67) Ethyl Benzene	11.959	91	585138	57.397	ug/l		99
68) m/p-Xylenes	12.065	106	442292	114.597	ug/l		99
69) o-Xylene	12.394	106	213178	59.044	ug/l		99
70) Styrene	12.406	104	361633	57.418	ug/l		99
71) Bromoform	12.576	173	88615	55.436	ug/l	#	98
73) Isopropylbenzene	12.694	105	544764	56.479	ug/l		100
74) N-amyl acetate	12.494	43	212669	51.804	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	157563	48.940	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	144130m	52.385	ug/l		
77) Bromobenzene	12.976	156	132037	50.921	ug/l		94
78) n-propylbenzene	13.029	91	633301	56.031	ug/l		98
79) 2-Chlorotoluene	13.123	91	400677	54.253	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	471775	59.014	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	56362m	48.599	ug/l		
82) 4-Chlorotoluene	13.218	91	406733	52.331	ug/l		99
83) tert-Butylbenzene	13.435	119	398057	60.164	ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	485480	58.840	ug/l		97
85) sec-Butylbenzene	13.612	105	545871	58.408	ug/l		99
86) p-Isopropyltoluene	13.723	119	463441	60.464	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	246451	48.702	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	242929	52.440	ug/l		99
89) n-Butylbenzene	14.053	91	387742	54.080	ug/l		99
90) Hexachloroethane	14.329	117	85239	49.868	ug/l		94
91) 1,2-Dichlorobenzene	14.100	146	235611	48.453	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29454	45.159	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	121209	45.540	ug/l		100
94) Hexachlorobutadiene	15.494	225	55113	47.152	ug/l		98
95) Naphthalene	15.635	128	371116	46.584	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	119258	46.158	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084842.D
Acq On : 14 Nov 2024 09:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 00:41:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

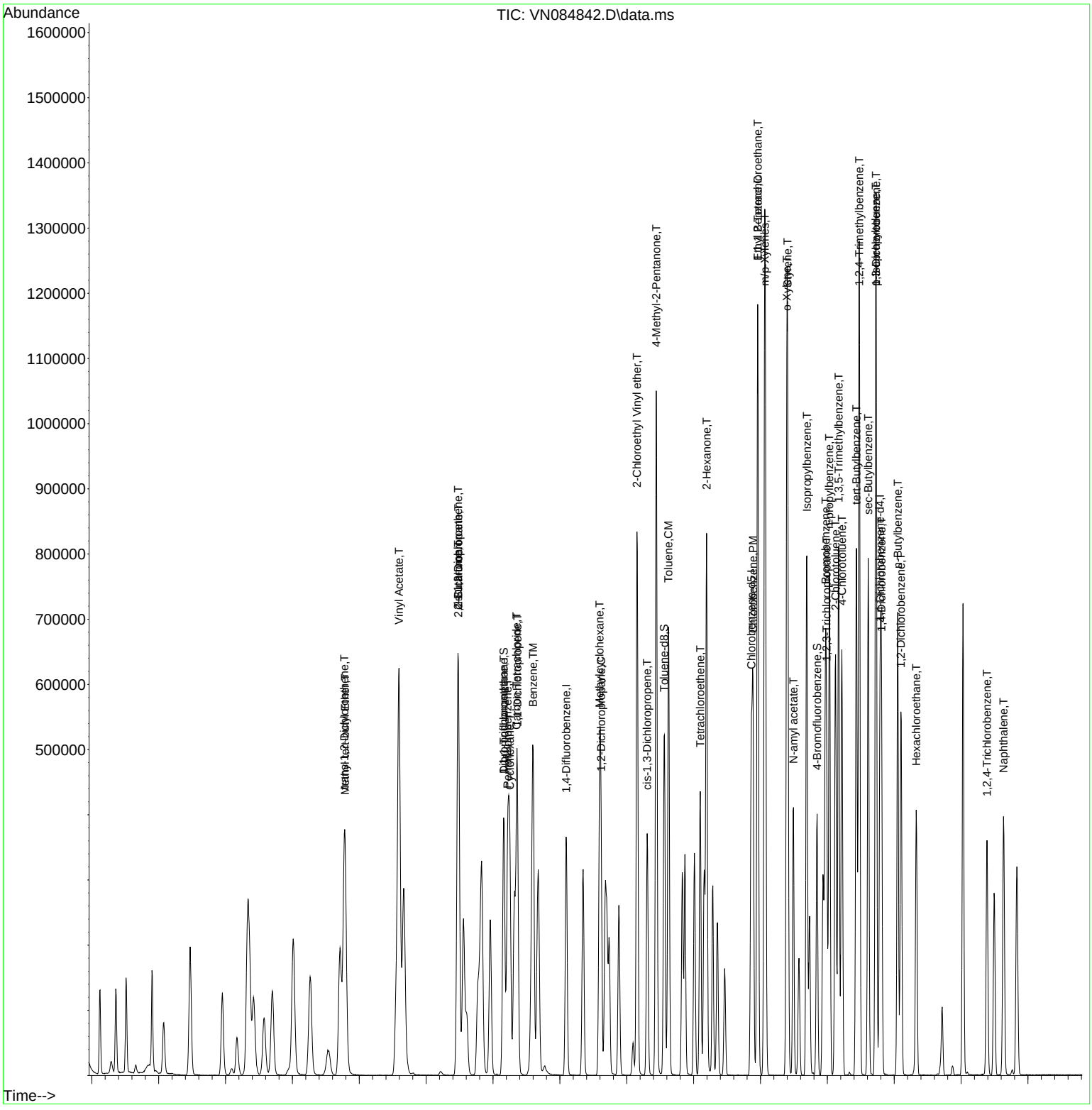
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084842.D
Acq On : 14 Nov 2024 09:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 00:41:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024



Sample Results: **VN084842.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084842.D
Acq On : 14 Nov 2024 09:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 15 00:41:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	0.575	0.573	0.3	107	0.00
3	P	Chloromethane	0.952	0.649	31.8#	100	0.00
4	C	Vinyl Chloride	0.618	0.704	-13.9#	120	0.00
5	T	Bromomethane	0.328	0.344	-4.9	120	-0.05
6	T	Chloroethane	0.488	0.457	6.4	125	-0.04
7	T	Trichlorofluoromethane	1.018	1.101	-8.2	118	-0.02
8	T	Diethyl Ether	0.359	0.380	-5.8	111	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.605	-5.2	112	-0.01
10	T	Methyl Iodide	0.769	0.846	-10.0	118	-0.02
11	T	Tert butyl alcohol	0.095	0.088	7.4	105	0.00
12	CM	1,1-Dichloroethene	0.569	0.578	-1.6#	111	-0.02
13	T	Acrolein	0.095	0.077	18.9	90	0.00
14	T	Allyl chloride	0.923	0.931	-0.9	105	-0.01
15	T	Acrylonitrile	0.276	0.272	1.4	103	0.00
16	T	Acetone	0.238	0.224	5.9	114	0.00
17	T	Carbon Disulfide	1.753	1.595	9.0	103	-0.01
18	T	Methyl Acetate	1.172	0.687	41.4#	94	0.00
19	T	Methyl tert-butyl Ether	1.745	1.942	-11.3	114	0.00
20	T	Methylene Chloride	0.635	0.652	-2.7	112	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.598	-2.2	109	-0.01
22	T	Diisopropyl ether	1.835	1.932	-5.3	107	0.00
23	T	Vinyl Acetate	1.265	1.347	-6.5	107	0.00
24	P	1,1-Dichloroethane	1.102	1.128	-2.4	109	-0.01
25	T	2-Butanone	0.337	0.338	-0.3	110	0.00
26	T	2,2-Dichloropropane	0.959	1.069	-11.5	117	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.720	-5.4	112	-0.01
28	T	Bromochloromethane	0.439	0.442	-0.7	89	0.00
29	T	Tetrahydrofuran	0.224	0.223	0.4	104	0.00
30	C	Chloroform	1.121	1.197	-6.8#	114	0.00
31	T	Cyclohexane	0.997	0.993	0.4	109	0.00
32	T	1,1,1-Trichloroethane	1.021	1.100	-7.7	114	-0.01
33	S	1,2-Dichloroethane-d4	0.722	0.657	9.0	94	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.338	0.320	5.3	95	0.00
36	T	1,1-Dichloropropene	0.469	0.506	-7.9	114	0.00
37	T	Ethyl Acetate	0.426	0.437	-2.6	105	0.00
38	T	Carbon Tetrachloride	0.525	0.586	-11.6	116	0.00
39	T	Methylcyclohexane	0.478	0.569	-19.0	114	0.00
40	TM	Benzene	1.507	1.597	-6.0	112	0.00
41	T	Methacrylonitrile	0.229	0.246	-7.4	102	0.00
42	TM	1,2-Dichloroethane	0.488	0.528	-8.2	109	0.00
43	T	Isopropyl Acetate	0.927	0.774	16.5	104	0.00
44	TM	Trichloroethene	0.348	0.361	-3.7	109	0.00
45	C	1,2-Dichloropropane	0.354	0.387	-9.3#	113	0.00
46	T	Dibromomethane	0.250	0.263	-5.2	110	0.00
47	T	Bromodichloromethane	0.526	0.568	-8.0	111	0.00
48	T	Methyl methacrylate	0.331	0.349	-5.4	103	0.00

Sample Results: **VN084842.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084842.D
Acq On : 14 Nov 2024 09:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 15 00:41:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	99	0.00
50	S	Toluene-d8	1.247	1.188	4.7	93	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.431	-6.2	104	0.00
52	CM	Toluene	0.882	0.979	-11.0#	111	0.00
53	T	t-1,3-Dichloropropene	0.544	0.568	-4.4	106	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.622	-8.0	109	0.00
55	T	1,1,2-Trichloroethane	0.332	0.352	-6.0	109	0.00
56	T	Ethyl methacrylate	0.480	0.559	-16.5	105	0.00
57	T	1,3-Dichloropropane	0.570	0.616	-8.1	111	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.240	-6.7	93	0.00
59	T	2-Hexanone	0.296	0.328	-10.8	107	0.00
60	T	Dibromochloromethane	0.378	0.419	-10.8	108	0.00
61	T	1,2-Dibromoethane	0.340	0.354	-4.1	108	0.00
62	S	4-Bromofluorobenzene	0.466	0.459	1.5	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.333	0.364	-9.3	114	0.00
65	PM	Chlorobenzene	1.119	1.180	-5.5	109	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.432	-11.1	113	0.00
67	C	Ethyl Benzene	1.867	2.143	-14.8#	111	0.00
68	T	m/p-Xylenes	0.707	0.810	-14.6	109	0.00
69	T	o-Xylene	0.661	0.781	-18.2	111	0.00
70	T	Styrene	1.154	1.325	-14.8	107	0.00
71	P	Bromoform	0.293	0.325	-10.9	108	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.504	3.958	-13.0	110	0.00
74	T	N-amyl acetate	1.491	1.545	-3.6	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.145	2.1	106	0.00
76	T	1,2,3-Trichloropropane	0.999	1.047	-4.8	118	0.00
77	T	Bromobenzene	0.942	0.959	-1.8	108	0.00
78	T	n-propylbenzene	4.106	4.601	-12.1	108	0.00
79	T	2-Chlorotoluene	2.683	2.911	-8.5	111	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.428	-18.0	111	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.409	2.9	102	0.00
82	T	4-Chlorotoluene	2.823	2.955	-4.7	108	0.00
83	T	tert-Butylbenzene	2.403	2.892	-20.3	114	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.527	-17.7	111	0.00
85	T	sec-Butylbenzene	3.395	3.966	-16.8	112	0.00
86	T	p-Isopropyltoluene	2.784	3.367	-20.9	110	0.00
87	T	1,3-Dichlorobenzene	1.838	1.791	2.6	107	0.00
88	T	1,4-Dichlorobenzene	1.937	1.765	8.9	105	0.00
89	T	n-Butylbenzene	2.605	2.817	-8.1	107	0.00
90	T	Hexachloroethane	0.621	0.619	0.3	105	0.00
91	T	1,2-Dichlorobenzene	1.766	1.712	3.1	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.214	9.7	98	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.881	8.9	101	0.00
94	T	Hexachlorobutadiene	0.425	0.400	5.9	108	0.00
95	T	Naphthalene	2.894	2.696	6.8	97	0.00

Sample Results: **VN084842.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084842.D
Acq On : 14 Nov 2024 09:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 15 00:41:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.866	7.8	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN084842.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084842.D
Acq On : 14 Nov 2024 09:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 15 00:41:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	50.000	49.806	0.4	107	0.00
3	P	Chloromethane	50.000	48.024	4.0	100	0.00
4	C	Vinyl Chloride	50.000	56.924	-13.8#	120	0.00
5	T	Bromomethane	50.000	52.453	-4.9	120	-0.05
6	T	Chloroethane	50.000	59.946	-19.9	125	-0.04
7	T	Trichlorofluoromethane	50.000	54.042	-8.1	118	-0.02
8	T	Diethyl Ether	50.000	52.917	-5.8	111	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.556	-5.1	112	-0.01
10	T	Methyl Iodide	50.000	54.979	-10.0	118	-0.02
11	T	Tert butyl alcohol	250.000	230.274	7.9	105	0.00
12	CM	1,1-Dichloroethene	50.000	50.791	-1.6#	111	-0.02
13	T	Acrolein	250.000	202.388	19.0	90	0.00
14	T	Allyl chloride	50.000	50.428	-0.9	105	-0.01
15	T	Acrylonitrile	250.000	246.415	1.4	103	0.00
16	T	Acetone	250.000	269.221	-7.7	114	0.00
17	T	Carbon Disulfide	50.000	45.487	9.0	103	-0.01
18	T	Methyl Acetate	50.000	44.640	10.7	94	0.00
19	T	Methyl tert-butyl Ether	50.000	55.629	-11.3	114	0.00
20	T	Methylene Chloride	50.000	51.329	-2.7	112	-0.01
21	T	trans-1,2-Dichloroethene	50.000	51.163	-2.3	109	-0.01
22	T	Diisopropyl ether	50.000	52.644	-5.3	107	0.00
23	T	Vinyl Acetate	250.000	266.151	-6.5	107	0.00
24	P	1,1-Dichloroethane	50.000	51.181	-2.4	109	-0.01
25	T	2-Butanone	250.000	251.070	-0.4	110	0.00
26	T	2,2-Dichloropropane	50.000	55.757	-11.5	117	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.724	-5.4	112	-0.01
28	T	Bromochloromethane	50.000	50.314	-0.6	89	0.00
29	T	Tetrahydrofuran	250.000	249.519	0.2	104	0.00
30	C	Chloroform	50.000	53.365	-6.7#	114	0.00
31	T	Cyclohexane	50.000	49.777	0.4	109	0.00
32	T	1,1,1-Trichloroethane	50.000	53.913	-7.8	114	-0.01
33	S	1,2-Dichloroethane-d4	50.000	45.474	9.1	94	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	47.299	5.4	95	0.00
36	T	1,1-Dichloropropene	50.000	53.889	-7.8	114	0.00
37	T	Ethyl Acetate	50.000	51.261	-2.5	105	0.00
38	T	Carbon Tetrachloride	50.000	55.822	-11.6	116	0.00
39	T	Methylcyclohexane	50.000	59.530	-19.1	114	0.00
40	TM	Benzene	50.000	52.959	-5.9	112	0.00
41	T	Methacrylonitrile	50.000	53.758	-7.5	102	0.00
42	TM	1,2-Dichloroethane	50.000	54.101	-8.2	109	0.00
43	T	Isopropyl Acetate	50.000	49.202	1.6	104	0.00
44	TM	Trichloroethene	50.000	51.871	-3.7	109	0.00
45	C	1,2-Dichloropropane	50.000	54.699	-9.4#	113	0.00
46	T	Dibromomethane	50.000	52.798	-5.6	110	0.00
47	T	Bromodichloromethane	50.000	54.032	-8.1	111	0.00
48	T	Methyl methacrylate	50.000	52.702	-5.4	103	0.00

Sample Results: **VN084842.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084842.D
Acq On : 14 Nov 2024 09:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 15 00:41:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1007.687	-0.8	99	0.00
50	S	Toluene-d8	50.000	47.644	4.7	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.200	-6.1	104	0.00
52	CM	Toluene	50.000	55.508	-11.0#	111	0.00
53	T	t-1,3-Dichloropropene	50.000	52.155	-4.3	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.988	-8.0	109	0.00
55	T	1,1,2-Trichloroethane	50.000	52.978	-6.0	109	0.00
56	T	Ethyl methacrylate	50.000	58.208	-16.4	105	0.00
57	T	1,3-Dichloropropane	50.000	54.028	-8.1	111	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	266.872	-6.7	93	0.00
59	T	2-Hexanone	250.000	277.503	-11.0	107	0.00
60	T	Dibromochloromethane	50.000	55.321	-10.6	108	0.00
61	T	1,2-Dibromoethane	50.000	52.099	-4.2	108	0.00
62	S	4-Bromofluorobenzene	50.000	49.283	1.4	95	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	54.755	-9.5	114	0.00
65	PM	Chlorobenzene	50.000	52.749	-5.5	109	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.554	-11.1	113	0.00
67	C	Ethyl Benzene	50.000	57.397	-14.8#	111	0.00
68	T	m/p-Xylenes	100.000	114.597	-14.6	109	0.00
69	T	o-Xylene	50.000	59.044	-18.1	111	0.00
70	T	Styrene	50.000	57.418	-14.8	107	0.00
71	P	Bromoform	50.000	55.436	-10.9	108	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	56.479	-13.0	110	0.00
74	T	N-amyl acetate	50.000	51.804	-3.6	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.940	2.1	106	0.00
76	T	1,2,3-Trichloropropane	50.000	52.385	-4.8	118	0.00
77	T	Bromobenzene	50.000	50.921	-1.8	108	0.00
78	T	n-propylbenzene	50.000	56.031	-12.1	108	0.00
79	T	2-Chlorotoluene	50.000	54.253	-8.5	111	0.00
80	T	1,3,5-Trimethylbenzene	50.000	59.014	-18.0	111	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.599	2.8	102	0.00
82	T	4-Chlorotoluene	50.000	52.331	-4.7	108	0.00
83	T	tert-Butylbenzene	50.000	60.164	-20.3	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	58.840	-17.7	111	0.00
85	T	sec-Butylbenzene	50.000	58.408	-16.8	112	0.00
86	T	p-Isopropyltoluene	50.000	60.464	-20.9	110	0.00
87	T	1,3-Dichlorobenzene	50.000	48.702	2.6	107	0.00
88	T	1,4-Dichlorobenzene	50.000	52.440	-4.9	105	0.00
89	T	n-Butylbenzene	50.000	54.080	-8.2	107	0.00
90	T	Hexachloroethane	50.000	49.868	0.3	105	0.00
91	T	1,2-Dichlorobenzene	50.000	48.453	3.1	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.159	9.7	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.540	8.9	101	0.00
94	T	Hexachlorobutadiene	50.000	47.152	5.7	108	0.00
95	T	Naphthalene	50.000	46.584	6.8	97	0.00

Sample Results: **VN084842.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084842.D
Acq On : 14 Nov 2024 09:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 15 00:41:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.158	7.7	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN084935.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/19/2024 09:27

Lab File ID: VN084935.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.508		-11.65	20
Chloromethane	0.952	0.579	0.1	-39.18	20
Vinyl Chloride	0.618	0.560		-9.39	20
Bromomethane	0.328	0.288		-12.19	20
Chloroethane	0.488	0.370		-24.18	20
Trichlorofluoromethane	1.018	0.954		-6.29	20
1,1,2-Trichlorotrifluoroethane	0.575	0.551		-4.17	20
Tert butyl alcohol	0.095	0.092		-3.16	20
1,1-Dichloroethene	0.569	0.508		-10.72	20
Acetone	0.238	0.237		-0.42	20
Carbon Disulfide	1.753	1.360		-22.42	20
Methyl tert-butyl Ether	1.745	1.803		3.32	20
Methyl Acetate	1.172	0.697		-40.53	20
Methylene Chloride	0.635	0.586		-7.72	20
trans-1,2-Dichloroethene	0.585	0.535		-8.55	20
1,1-Dichloroethane	1.102	1.055	0.1	-4.26	20
Cyclohexane	0.997	0.899		-9.83	20
2-Butanone	0.337	0.360		6.82	20
Carbon Tetrachloride	0.525	0.510		-2.86	20
cis-1,2-Dichloroethene	0.683	0.655		-4.1	20
Bromochloromethane	0.439	0.497		13.21	20
Chloroform	1.121	1.094		-2.41	20
1,1,1-Trichloroethane	1.021	0.993		-2.74	20
Methylcyclohexane	0.478	0.490		2.51	20
Benzene	1.507	1.411		-6.37	20
1,2-Dichloroethane	0.488	0.486		-0.41	20
Trichloroethene	0.348	0.317		-8.91	20
1,2-Dichloropropane	0.354	0.351		-0.85	20
Bromodichloromethane	0.526	0.518		-1.52	20
4-Methyl-2-Pentanone	0.406	0.435		7.14	20
Toluene	0.882	0.867		-1.7	20
t-1,3-Dichloropropene	0.544	0.509		-6.43	20
cis-1,3-Dichloropropene	0.576	0.566		-1.74	20
1,1,2-Trichloroethane	0.332	0.328		-1.21	20
2-Hexanone	0.296	0.326		10.14	20
Dibromochloromethane	0.378	0.384		1.59	20
1,2-Dibromoethane	0.340	0.324		-4.71	20
Tetrachloroethene	0.333	0.320		-3.9	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/19/2024 09:27

Lab File ID: VN084935.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.119	1.066	0.3	-4.74	20
Ethyl Benzene	1.867	1.897		1.61	20
m/p-Xylenes	0.707	0.732		3.54	20
o-Xylene	0.661	0.703		6.35	20
Styrene	1.154	1.192		3.29	20
Bromoform	0.293	0.294	0.1	0.34	20
Isopropylbenzene	3.504	3.456		-1.37	20
1,1,2,2-Tetrachloroethane	1.170	1.092	0.3	-6.67	20
1,3-Dichlorobenzene	1.838	1.554		-15.45	20
1,4-Dichlorobenzene	1.937	1.546		-20.19	20
1,2-Dichlorobenzene	1.766	1.565		-11.38	20
1,2-Dibromo-3-Chloropropane	0.237	0.208		-12.24	20
1,2,4-Trichlorobenzene	0.967	0.764		-20.99	20
1,2,3-Trichlorobenzene	0.939	0.764		-18.64	20
1,2-Dichloroethane-d4	0.722	0.672		-6.93	20
Dibromofluoromethane	0.338	0.314		-7.1	20
Toluene-d8	1.247	1.131		-9.3	20
4-Bromofluorobenzene	0.466	0.444		-4.72	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VN084935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	191121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	319795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	272380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	128370	46.504	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.000%			
35) Dibromofluoromethane	8.165	113	100296	46.334	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.660%			
50) Toluene-d8	10.565	98	361805	45.374	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.740%			
62) 4-Bromofluorobenzene	12.847	95	141878	47.609	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	97001	44.150	ug/l	95
3) Chloromethane	2.359	50	110597	42.522	ug/l	97
4) Vinyl Chloride	2.512	62	107008	45.283	ug/l	97
5) Bromomethane	2.906	94	55094	44.003	ug/l	98
6) Chloroethane	3.077	64	70713	48.294	ug/l	93
7) Trichlorofluoromethane	3.471	101	182356	46.846	ug/l	97
8) Diethyl Ether	3.953	74	65937	48.018	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	105288	47.867	ug/l	99
10) Methyl Iodide	4.577	142	142160	48.358	ug/l	97
11) Tert butyl alcohol	5.536	59	87458	240.025	ug/l	99
12) 1,1-Dichloroethene	4.330	96	97079	44.604	ug/l	95
13) Acrolein	4.171	56	99160	272.913	ug/l	98
14) Allyl chloride	5.012	41	161760	45.828	ug/l	96
15) Acrylonitrile	5.712	53	260199	246.673	ug/l	99
16) Acetone	4.424	43	226860	284.903	ug/l	100
17) Carbon Disulfide	4.700	76	259868	38.771	ug/l	98
18) Methyl Acetate	5.018	43	133214	45.365	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	344516	51.644	ug/l	97
20) Methylene Chloride	5.265	84	111930	46.103	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	102229	45.743	ug/l	99
22) Diisopropyl ether	6.665	45	352685	50.286	ug/l	98
23) Vinyl Acetate	6.594	43	1255562	259.595	ug/l	98
24) 1,1-Dichloroethane	6.559	63	201578	47.872	ug/l	98
25) 2-Butanone	7.483	43	344040	267.147	ug/l	98
26) 2,2-Dichloropropane	7.488	77	182683	49.847	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	125243	47.994	ug/l	99
28) Bromochloromethane	7.806	49	95018	56.639	ug/l	96
29) Tetrahydrofuran	7.836	42	218171	255.360	ug/l	96
30) Chloroform	7.959	83	209141	48.799	ug/l	97
31) Cyclohexane	8.253	56	171769	45.071	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	189765	48.647	ug/l	99
36) 1,1-Dichloropropene	8.365	75	140999	46.967	ug/l	99
37) Ethyl Acetate	7.553	43	136462	50.101	ug/l	98
38) Carbon Tetrachloride	8.359	117	162977	48.570	ug/l	98
39) Methylcyclohexane	9.594	83	156684	51.303	ug/l	98
40) Benzene	8.600	78	451082	46.788	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	77366	52.820	ug/l		97
42) 1,2-Dichloroethane	8.665	62	155403	49.771	ug/l		99
43) Isopropyl Acetate	8.683	43	251358	49.952	ug/l		100
44) Trichloroethene	9.347	130	101462	45.632	ug/l		99
45) 1,2-Dichloropropane	9.618	63	112302	49.656	ug/l		99
46) Dibromomethane	9.706	93	77732	48.708	ug/l		99
47) Bromodichloromethane	9.882	83	165675	49.250	ug/l	#	99
48) Methyl methacrylate	9.677	41	108960	51.400	ug/l		97
49) 1,4-Dioxane	9.694	88	36146	962.235	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.441	43	695093	267.698	ug/l		99
52) Toluene	10.629	92	277347	49.188	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	162768	46.744	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	181142	49.151	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	104942	49.408	ug/l		97
56) Ethyl methacrylate	10.871	69	168362	54.801	ug/l		97
57) 1,3-Dichloropropane	11.159	76	179454	49.230	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	402039	279.659	ug/l		97
59) 2-Hexanone	11.194	43	521393	275.870	ug/l		98
60) Dibromochloromethane	11.359	129	122913	50.776	ug/l		99
61) 1,2-Dibromoethane	11.471	107	103704	47.679	ug/l		100
64) Tetrachloroethene	11.100	164	87135	48.094	ug/l		97
65) Chlorobenzene	11.888	112	290368	47.651	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	105627	49.834	ug/l		99
67) Ethyl Benzene	11.959	91	516649	50.793	ug/l		99
68) m/p-Xylenes	12.071	106	398723	103.542	ug/l		100
69) o-Xylene	12.394	106	191427	53.139	ug/l		100
70) Styrene	12.406	104	324789	51.684	ug/l		99
71) Bromoform	12.576	173	79980	50.147	ug/l	#	99
73) Isopropylbenzene	12.694	105	484105	49.323	ug/l		100
74) N-amyl acetate	12.494	43	210044	50.280	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	152902	46.671	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	125541m	44.840	ug/l		
77) Bromobenzene	12.976	156	117590	44.566	ug/l		98
78) n-propylbenzene	13.035	91	560537	48.736	ug/l		99
79) 2-Chlorotoluene	13.123	91	357849	47.616	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	421482	51.812	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	53699	45.503	ug/l		89
82) 4-Chlorotoluene	13.218	91	361943	45.763	ug/l		99
83) tert-Butylbenzene	13.435	119	343776	51.061	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	428779	51.069	ug/l		99
85) sec-Butylbenzene	13.612	105	480667	50.542	ug/l		99
86) p-Isopropyltoluene	13.729	119	408036	52.315	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	217656	42.268	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	216598	45.744	ug/l		100
89) n-Butylbenzene	14.053	91	343697	47.108	ug/l		100
90) Hexachloroethane	14.329	117	76160	43.786	ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	219245	44.308	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29192	43.984	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	107065	39.531	ug/l		99
94) Hexachlorobutadiene	15.500	225	49545	41.656	ug/l		99
95) Naphthalene	15.641	128	350435	43.227	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	106957	40.681	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

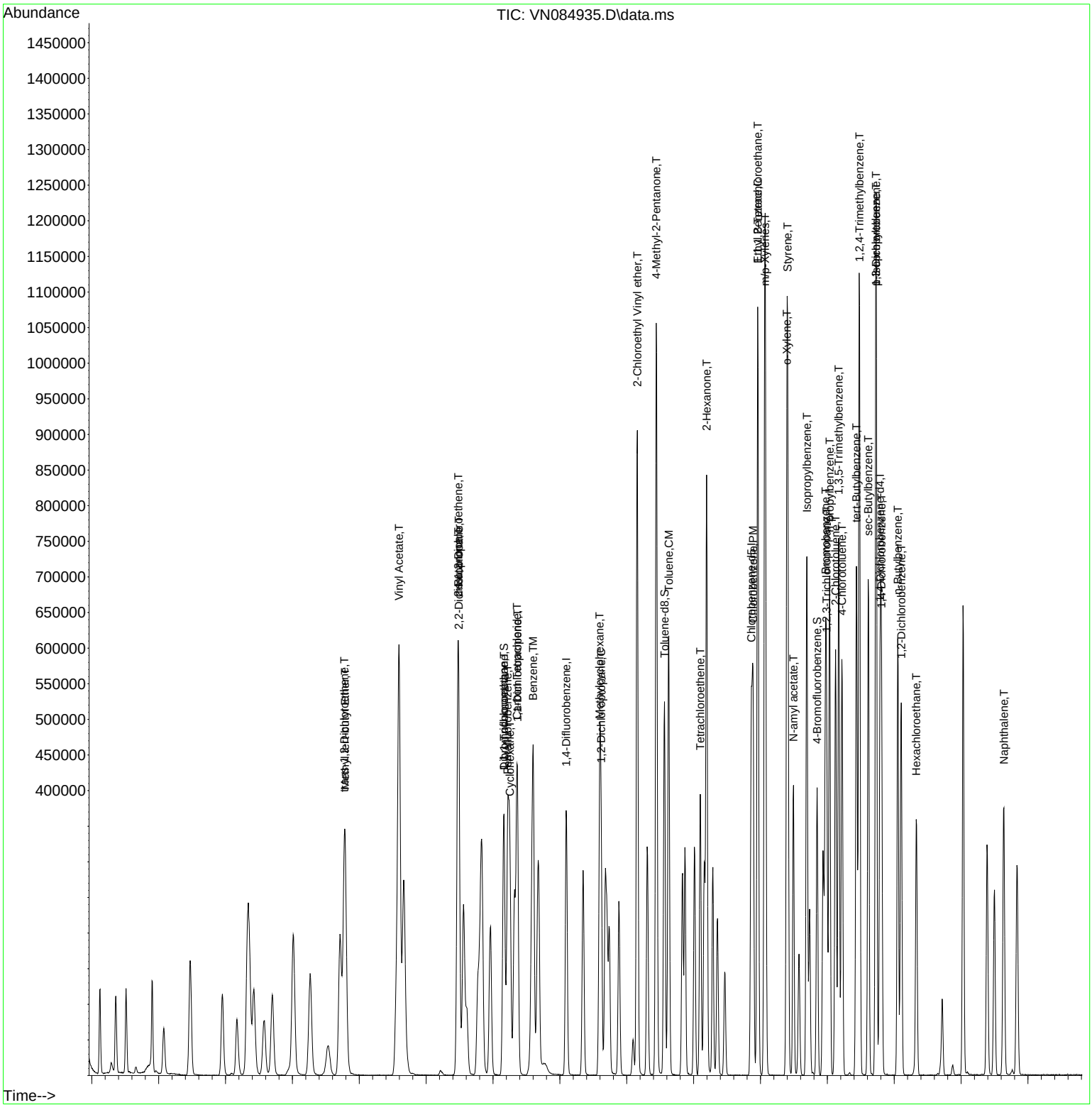
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



Sample Results: **VN084935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	0.575	0.508	11.7	94	0.00
3	P	Chloromethane	0.952	0.579	39.2#	88	0.00
4	C	Vinyl Chloride	0.618	0.560	9.4#	95	0.00
5	T	Bromomethane	0.328	0.288	12.2	100	-0.05
6	T	Chloroethane	0.488	0.370	24.2	101	-0.04
7	T	Trichlorofluoromethane	1.018	0.954	6.3	102	-0.02
8	T	Diethyl Ether	0.359	0.345	3.9	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.551	4.2	101	-0.01
10	T	Methyl Iodide	0.769	0.744	3.3	104	-0.02
11	T	Tert butyl alcohol	0.095	0.092	3.2	109	0.01
12	CM	1,1-Dichloroethene	0.569	0.508	10.7#	97	-0.01
13	T	Acrolein	0.095	0.104	-9.5	121	0.00
14	T	Allyl chloride	0.923	0.846	8.3	95	-0.01
15	T	Acrylonitrile	0.276	0.272	1.4	103	0.00
16	T	Acetone	0.238	0.237	0.4	119	0.00
17	T	Carbon Disulfide	1.753	1.360	22.4	87	-0.01
18	T	Methyl Acetate	1.172	0.697	40.5#	95	0.00
19	T	Methyl tert-butyl Ether	1.745	1.803	-3.3	105	0.00
20	T	Methylene Chloride	0.635	0.586	7.7	100	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.535	8.5	97	-0.01
22	T	Diisopropyl ether	1.835	1.845	-0.5	102	0.00
23	T	Vinyl Acetate	1.265	1.314	-3.9	104	0.00
24	P	1,1-Dichloroethane	1.102	1.055	4.3	101	-0.01
25	T	2-Butanone	0.337	0.360	-6.8	117	0.00
26	T	2,2-Dichloropropane	0.959	0.956	0.3	104	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.655	4.1	101	0.00
28	T	Bromochloromethane	0.439	0.497	-13.2	100	0.00
29	T	Tetrahydrofuran	0.224	0.228	-1.8	105	0.00
30	C	Chloroform	1.121	1.094	2.4#	103	0.00
31	T	Cyclohexane	0.997	0.899	9.8	98	0.00
32	T	1,1,1-Trichloroethane	1.021	0.993	2.7	103	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.672	6.9	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35	S	Dibromofluoromethane	0.338	0.314	7.1	94	0.00
36	T	1,1-Dichloropropene	0.469	0.441	6.0	100	0.00
37	T	Ethyl Acetate	0.426	0.427	-0.2	104	0.00
38	T	Carbon Tetrachloride	0.525	0.510	2.9	102	0.00
39	T	Methylcyclohexane	0.478	0.490	-2.5	99	0.00
40	TM	Benzene	1.507	1.411	6.4	100	0.00
41	T	Methacrylonitrile	0.229	0.242	-5.7	101	0.00
42	TM	1,2-Dichloroethane	0.488	0.486	0.4	101	0.00
43	T	Isopropyl Acetate	0.927	0.786	15.2	107	0.00
44	TM	Trichloroethene	0.348	0.317	8.9	97	0.00
45	C	1,2-Dichloropropane	0.354	0.351	0.8#	104	0.00
46	T	Dibromomethane	0.250	0.243	2.8	102	0.00
47	T	Bromodichloromethane	0.526	0.518	1.5	102	0.00
48	T	Methyl methacrylate	0.331	0.341	-3.0	101	0.00

Sample Results: **VN084935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	96	0.00
50	S	Toluene-d8	1.247	1.131	9.3	89	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.435	-7.1	106	0.00
52	CM	Toluene	0.882	0.867	1.7#	99	0.00
53	T	t-1,3-Dichloropropene	0.544	0.509	6.4	96	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.566	1.7	100	0.00
55	T	1,1,2-Trichloroethane	0.332	0.328	1.2	102	0.00
56	T	Ethyl methacrylate	0.480	0.526	-9.6	100	0.00
57	T	1,3-Dichloropropane	0.570	0.561	1.6	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.251	-11.6	99	0.00
59	T	2-Hexanone	0.296	0.326	-10.1	107	0.00
60	T	Dibromochloromethane	0.378	0.384	-1.6	100	0.00
61	T	1,2-Dibromoethane	0.340	0.324	4.7	100	0.00
62	S	4-Bromofluorobenzene	0.466	0.444	4.7	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.333	0.320	3.9	100	0.00
65	PM	Chlorobenzene	1.119	1.066	4.7	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.388	0.3	101	0.00
67	C	Ethyl Benzene	1.867	1.897	-1.6#	98	0.00
68	T	m/p-Xylenes	0.707	0.732	-3.5	98	0.00
69	T	o-Xylene	0.661	0.703	-6.4	99	0.00
70	T	Styrene	1.154	1.192	-3.3	96	0.00
71	P	Bromoform	0.293	0.294	-0.3	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73	T	Isopropylbenzene	3.504	3.456	1.4	98	0.00
74	T	N-amyl acetate	1.491	1.500	-0.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.092	6.7	103	0.00
76	T	1,2,3-Trichloropropane	0.999	0.896	10.3	102	0.00
77	T	Bromobenzene	0.942	0.840	10.8	96	0.00
78	T	n-propylbenzene	4.106	4.002	2.5	96	0.00
79	T	2-Chlorotoluene	2.683	2.555	4.8	99	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.009	-3.6	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.383	9.0	97	0.00
82	T	4-Chlorotoluene	2.823	2.584	8.5	96	0.00
83	T	tert-Butylbenzene	2.403	2.454	-2.1	98	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.061	-2.1	98	0.00
85	T	sec-Butylbenzene	3.395	3.432	-1.1	98	0.00
86	T	p-Isopropyltoluene	2.784	2.913	-4.6	97	0.00
87	T	1,3-Dichlorobenzene	1.838	1.554	15.5	94	0.00
88	T	1,4-Dichlorobenzene	1.937	1.546	20.2	94	0.00
89	T	n-Butylbenzene	2.605	2.454	5.8	95	0.00
90	T	Hexachloroethane	0.621	0.544	12.4	93	0.00
91	T	1,2-Dichlorobenzene	1.766	1.565	11.4	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.208	12.2	97	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.764	21.0	90	0.00
94	T	Hexachlorobutadiene	0.425	0.354	16.7	97	0.00
95	T	Naphthalene	2.894	2.502	13.5	91	0.00

Sample Results: **VN084935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.764	18.6	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN084935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	50.000	44.150	11.7	94	0.00
3	P	Chloromethane	50.000	42.522	15.0	88	0.00
4	C	Vinyl Chloride	50.000	45.283	9.4#	95	0.00
5	T	Bromomethane	50.000	44.003	12.0	100	-0.05
6	T	Chloroethane	50.000	48.294	3.4	101	-0.04
7	T	Trichlorofluoromethane	50.000	46.846	6.3	102	-0.02
8	T	Diethyl Ether	50.000	48.018	4.0	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.867	4.3	101	-0.01
10	T	Methyl Iodide	50.000	48.358	3.3	104	-0.02
11	T	Tert butyl alcohol	250.000	240.025	4.0	109	0.01
12	CM	1,1-Dichloroethene	50.000	44.604	10.8#	97	-0.01
13	T	Acrolein	250.000	272.913	-9.2	121	0.00
14	T	Allyl chloride	50.000	45.828	8.3	95	-0.01
15	T	Acrylonitrile	250.000	246.673	1.3	103	0.00
16	T	Acetone	250.000	284.903	-14.0	119	0.00
17	T	Carbon Disulfide	50.000	38.771	22.5	87	-0.01
18	T	Methyl Acetate	50.000	45.365	9.3	95	0.00
19	T	Methyl tert-butyl Ether	50.000	51.644	-3.3	105	0.00
20	T	Methylene Chloride	50.000	46.103	7.8	100	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.743	8.5	97	-0.01
22	T	Diisopropyl ether	50.000	50.286	-0.6	102	0.00
23	T	Vinyl Acetate	250.000	259.595	-3.8	104	0.00
24	P	1,1-Dichloroethane	50.000	47.872	4.3	101	-0.01
25	T	2-Butanone	250.000	267.147	-6.9	117	0.00
26	T	2,2-Dichloropropane	50.000	49.847	0.3	104	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.994	4.0	101	0.00
28	T	Bromochloromethane	50.000	56.639	-13.3	100	0.00
29	T	Tetrahydrofuran	250.000	255.360	-2.1	105	0.00
30	C	Chloroform	50.000	48.799	2.4#	103	0.00
31	T	Cyclohexane	50.000	45.071	9.9	98	0.00
32	T	1,1,1-Trichloroethane	50.000	48.647	2.7	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.504	7.0	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35	S	Dibromofluoromethane	50.000	46.334	7.3	94	0.00
36	T	1,1-Dichloropropene	50.000	46.967	6.1	100	0.00
37	T	Ethyl Acetate	50.000	50.101	-0.2	104	0.00
38	T	Carbon Tetrachloride	50.000	48.570	2.9	102	0.00
39	T	Methylcyclohexane	50.000	51.303	-2.6	99	0.00
40	TM	Benzene	50.000	46.788	6.4	100	0.00
41	T	Methacrylonitrile	50.000	52.820	-5.6	101	0.00
42	TM	1,2-Dichloroethane	50.000	49.771	0.5	101	0.00
43	T	Isopropyl Acetate	50.000	49.952	0.1	107	0.00
44	TM	Trichloroethene	50.000	45.632	8.7	97	0.00
45	C	1,2-Dichloropropane	50.000	49.656	0.7#	104	0.00
46	T	Dibromomethane	50.000	48.708	2.6	102	0.00
47	T	Bromodichloromethane	50.000	49.250	1.5	102	0.00
48	T	Methyl methacrylate	50.000	51.400	-2.8	101	0.00

Sample Results: **VN084935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	962.235	3.8	96	0.00
50	S	Toluene-d8	50.000	45.374	9.3	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	267.698	-7.1	106	0.00
52	CM	Toluene	50.000	49.188	1.6#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	46.744	6.5	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.151	1.7	100	0.00
55	T	1,1,2-Trichloroethane	50.000	49.408	1.2	102	0.00
56	T	Ethyl methacrylate	50.000	54.801	-9.6	100	0.00
57	T	1,3-Dichloropropane	50.000	49.230	1.5	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	279.659	-11.9	99	0.00
59	T	2-Hexanone	250.000	275.870	-10.3	107	0.00
60	T	Dibromochloromethane	50.000	50.776	-1.6	100	0.00
61	T	1,2-Dibromoethane	50.000	47.679	4.6	100	0.00
62	S	4-Bromofluorobenzene	50.000	47.609	4.8	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	48.094	3.8	100	0.00
65	PM	Chlorobenzene	50.000	47.651	4.7	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.834	0.3	101	0.00
67	C	Ethyl Benzene	50.000	50.793	-1.6#	98	0.00
68	T	m/p-Xylenes	100.000	103.542	-3.5	98	0.00
69	T	o-Xylene	50.000	53.139	-6.3	99	0.00
70	T	Styrene	50.000	51.684	-3.4	96	0.00
71	P	Bromoform	50.000	50.147	-0.3	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73	T	Isopropylbenzene	50.000	49.323	1.4	98	0.00
74	T	N-amyl acetate	50.000	50.280	-0.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.671	6.7	103	0.00
76	T	1,2,3-Trichloropropane	50.000	44.840	10.3	102	0.00
77	T	Bromobenzene	50.000	44.566	10.9	96	0.00
78	T	n-propylbenzene	50.000	48.736	2.5	96	0.00
79	T	2-Chlorotoluene	50.000	47.616	4.8	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.812	-3.6	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.503	9.0	97	0.00
82	T	4-Chlorotoluene	50.000	45.763	8.5	96	0.00
83	T	tert-Butylbenzene	50.000	51.061	-2.1	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.069	-2.1	98	0.00
85	T	sec-Butylbenzene	50.000	50.542	-1.1	98	0.00
86	T	p-Isopropyltoluene	50.000	52.315	-4.6	97	0.00
87	T	1,3-Dichlorobenzene	50.000	42.268	15.5	94	0.00
88	T	1,4-Dichlorobenzene	50.000	45.744	8.5	94	0.00
89	T	n-Butylbenzene	50.000	47.108	5.8	95	0.00
90	T	Hexachloroethane	50.000	43.786	12.4	93	0.00
91	T	1,2-Dichlorobenzene	50.000	44.308	11.4	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.984	12.0	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	39.531	20.9	90	0.00
94	T	Hexachlorobutadiene	50.000	41.656	16.7	97	0.00
95	T	Naphthalene	50.000	43.227	13.5	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084935.D
Acq On : 19 Nov 2024 09:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 20 00:20:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	40.681	18.6	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN084960.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 11:18

Lab File ID: VN084960.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.624		8.52	20
Chloromethane	0.952	0.671	0.1	-29.52	20
Vinyl Chloride	0.618	0.652		5.5	20
Bromomethane	0.328	0.340		3.66	20
Chloroethane	0.488	0.408		-16.39	20
Trichlorofluoromethane	1.018	1.068		4.91	20
1,1,2-Trichlorotrifluoroethane	0.575	0.616		7.13	20
Tert butyl alcohol	0.095	0.110		15.79	20
1,1-Dichloroethene	0.569	0.576		1.23	20
Acetone	0.238	0.200		-15.97	20
Carbon Disulfide	1.753	1.680		-4.16	20
Methyl tert-butyl Ether	1.745	1.961		12.38	20
Methyl Acetate	1.172	0.768		-34.47	20
Methylene Chloride	0.635	0.652		2.68	20
trans-1,2-Dichloroethene	0.585	0.594		1.54	20
1,1-Dichloroethane	1.102	1.147	0.1	4.08	20
Cyclohexane	0.997	1.018		2.11	20
2-Butanone	0.337	0.365		8.31	20
Carbon Tetrachloride	0.525	0.576		9.71	20
cis-1,2-Dichloroethene	0.683	0.719		5.27	20
Bromochloromethane	0.439	0.438		-0.23	20
Chloroform	1.121	1.175		4.82	20
1,1,1-Trichloroethane	1.021	1.085		6.27	20
Methylcyclohexane	0.478	0.571		19.46	20
Benzene	1.507	1.573		4.38	20
1,2-Dichloroethane	0.488	0.528		8.2	20
Trichloroethene	0.348	0.365		4.89	20
1,2-Dichloropropane	0.354	0.384		8.48	20
Bromodichloromethane	0.526	0.569		8.18	20
4-Methyl-2-Pentanone	0.406	0.504		24.14	20
Toluene	0.882	0.995		12.81	20
t-1,3-Dichloropropene	0.544	0.592		8.82	20
cis-1,3-Dichloropropene	0.576	0.634		10.07	20
1,1,2-Trichloroethane	0.332	0.361		8.73	20
2-Hexanone	0.296	0.396		33.78	20
Dibromochloromethane	0.378	0.434		14.81	20
1,2-Dibromoethane	0.340	0.370		8.82	20
Tetrachloroethene	0.333	0.356		6.91	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 11:18

Lab File ID: VN084960.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.119	1.182	0.3	5.63	20
Ethyl Benzene	1.867	2.112		13.12	20
m/p-Xylenes	0.707	0.815		15.28	20
o-Xylene	0.661	0.779		17.85	20
Styrene	1.154	1.329		15.16	20
Bromoform	0.293	0.330	0.1	12.63	20
Isopropylbenzene	3.504	3.902		11.36	20
1,1,2,2-Tetrachloroethane	1.170	1.194	0.3	2.05	20
1,3-Dichlorobenzene	1.838	1.743		-5.17	20
1,4-Dichlorobenzene	1.937	1.741		-10.12	20
1,2-Dichlorobenzene	1.766	1.729		-2.1	20
1,2-Dibromo-3-Chloropropane	0.237	0.253		6.75	20
1,2,4-Trichlorobenzene	0.967	0.914		-5.48	20
1,2,3-Trichlorobenzene	0.939	0.869		-7.45	20
1,2-Dichloroethane-d4	0.722	0.653		-9.56	20
Dibromofluoromethane	0.338	0.317		-6.21	20
Toluene-d8	1.247	1.145		-8.18	20
4-Bromofluorobenzene	0.466	0.449		-3.65	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107759	45.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.440%			
35) Dibromofluoromethane	8.159	113	85890	46.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.540%			
50) Toluene-d8	10.565	98	310714	45.930	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.860%			
62) 4-Bromofluorobenzene	12.847	95	121953	48.235	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	102999	54.304	ug/l	94
3) Chloromethane	2.359	50	110719	49.734	ug/l	98
4) Vinyl Chloride	2.512	62	107639	52.764	ug/l	98
5) Bromomethane	2.900	94	56156	51.955	ug/l	97
6) Chloroethane	3.071	64	67311	53.398	ug/l	94
7) Trichlorofluoromethane	3.471	101	176242	52.445	ug/l	98
8) Diethyl Ether	3.953	74	63921	53.922	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	101609	53.510	ug/l	100
10) Methyl Iodide	4.571	142	137664	54.245	ug/l	95
11) Tert butyl alcohol	5.541	59	90985	289.250	ug/l	99
12) 1,1-Dichloroethene	4.324	96	95095	50.612	ug/l	97
13) Acrolein	4.177	56	83697	266.836	ug/l	98
14) Allyl chloride	5.012	41	161833	53.110	ug/l	93
15) Acrylonitrile	5.718	53	255741	280.842	ug/l	99
16) Acetone	4.430	43	165010	239.592	ug/l	97
17) Carbon Disulfide	4.700	76	277268	47.919	ug/l	100
18) Methyl Acetate	5.024	43	126759	50.446	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	323521	56.177	ug/l	97
20) Methylene Chloride	5.265	84	107519	51.299	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	97972	50.781	ug/l	98
22) Diisopropyl ether	6.665	45	326570	53.937	ug/l	97
23) Vinyl Acetate	6.594	43	1220460	292.299	ug/l	99
24) 1,1-Dichloroethane	6.565	63	189216	52.053	ug/l	99
25) 2-Butanone	7.482	43	301402	271.102	ug/l	98
26) 2,2-Dichloropropane	7.482	77	175340	55.420	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	118648	52.668	ug/l	96
28) Bromochloromethane	7.812	49	72293	49.917	ug/l	92
29) Tetrahydrofuran	7.835	42	216108	293.003	ug/l	95
30) Chloroform	7.965	83	193933	52.416	ug/l	97
31) Cyclohexane	8.253	56	167902	51.034	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	178940	53.137	ug/l	98
36) 1,1-Dichloropropene	8.365	75	137824	54.113	ug/l	100
37) Ethyl Acetate	7.559	43	134705	58.292	ug/l	97
38) Carbon Tetrachloride	8.359	117	156315	54.908	ug/l	99
39) Methylcyclohexane	9.600	83	154889	59.777	ug/l	98
40) Benzene	8.606	78	426723	52.170	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	78926	63.513	ug/l		99
42) 1,2-Dichloroethane	8.665	62	143286	54.090	ug/l		99
43) Isopropyl Acetate	8.688	43	242469	56.930	ug/l		100
44) Trichloroethene	9.347	130	99056	52.511	ug/l		100
45) 1,2-Dichloropropane	9.618	63	104248	54.331	ug/l		96
46) Dibromomethane	9.706	93	73957	54.624	ug/l		99
47) Bromodichloromethane	9.888	83	154269	54.053	ug/l		99
48) Methyl methacrylate	9.676	41	109069	60.645	ug/l		97
49) 1,4-Dioxane	9.700	88	36313	1139.408	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.441	43	683902	310.450	ug/l		98
52) Toluene	10.629	92	270072	56.456	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	160608	54.366	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	172110	55.045	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	98018	54.394	ug/l		96
56) Ethyl methacrylate	10.870	69	165749	63.590	ug/l		96
57) 1,3-Dichloropropane	11.165	76	172010	55.619	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	371343	304.461	ug/l		98
59) 2-Hexanone	11.194	43	536530	334.603	ug/l		98
60) Dibromochloromethane	11.359	129	117689	57.305	ug/l		100
61) 1,2-Dibromoethane	11.465	107	100326	54.368	ug/l		100
64) Tetrachloroethene	11.100	164	85588	53.532	ug/l		97
65) Chlorobenzene	11.888	112	284076	52.828	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	101276	54.146	ug/l		99
67) Ethyl Benzene	11.965	91	507651	56.556	ug/l		100
68) m/p-Xylenes	12.070	106	391940	115.337	ug/l		100
69) o-Xylene	12.394	106	187331	58.928	ug/l		99
70) Styrene	12.412	104	319362	57.589	ug/l		100
71) Bromoform	12.576	173	79345	56.375	ug/l	#	99
73) Isopropylbenzene	12.694	105	479086	55.679	ug/l		99
74) N-amyl acetate	12.494	43	205323	56.065	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	146589	51.040	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	125143m	50.987	ug/l		
77) Bromobenzene	12.976	156	113414	49.030	ug/l		98
78) n-propylbenzene	13.035	91	563327	55.869	ug/l		99
79) 2-Chlorotoluene	13.123	91	349601	53.064	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	407010	57.072	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	56982	55.078	ug/l		94
82) 4-Chlorotoluene	13.217	91	353895	51.041	ug/l		99
83) tert-Butylbenzene	13.435	119	348071	58.973	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	414294	56.287	ug/l		99
85) sec-Butylbenzene	13.611	105	467025	56.017	ug/l		99
86) p-Isopropyltoluene	13.729	119	401222	58.679	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	213991	47.403	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	213744	51.698	ug/l		99
89) n-Butylbenzene	14.053	91	339784	53.124	ug/l		99
90) Hexachloroethane	14.335	117	75005	49.189	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	212272	48.934	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31109	53.467	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	112274	47.286	ug/l		99
94) Hexachlorobutadiene	15.500	225	49818	47.779	ug/l		98
95) Naphthalene	15.641	128	368434	51.842	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	106677	46.284	ug/l		99

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084960.D**

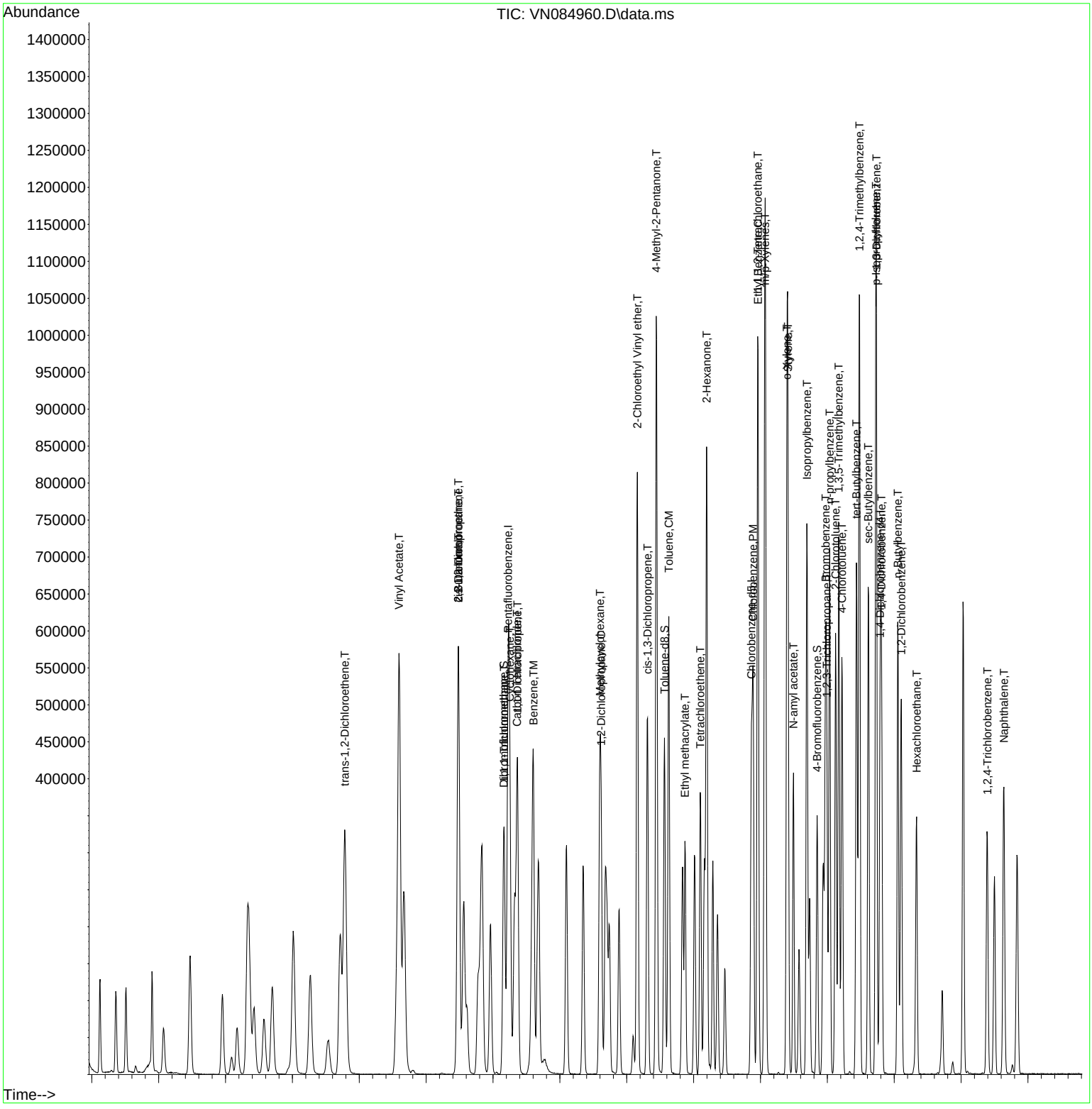
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	88	0.00
2	T	Dichlorodifluoromethane	0.575	0.624	-8.5	100	0.00
3	P	Chloromethane	0.952	0.671	29.5#	88	0.00
4	C	Vinyl Chloride	0.618	0.652	-5.5#	95	0.00
5	T	Bromomethane	0.328	0.340	-3.7	102	-0.05
6	T	Chloroethane	0.488	0.408	16.4	96	-0.05
7	T	Trichlorofluoromethane	1.018	1.068	-4.9	98	-0.02
8	T	Diethyl Ether	0.359	0.387	-7.8	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.616	-7.1	98	-0.02
10	T	Methyl Iodide	0.769	0.834	-8.5	100	-0.02
11	T	Tert butyl alcohol	0.095	0.110	-15.8	113	0.02
12	CM	1,1-Dichloroethene	0.569	0.576	-1.2#	95	-0.02
13	T	Acrolein	0.095	0.101	-6.3	102	0.00
14	T	Allyl chloride	0.923	0.981	-6.3	95	-0.01
15	T	Acrylonitrile	0.276	0.310	-12.3	101	0.00
16	T	Acetone	0.238	0.200	16.0	87	0.00
17	T	Carbon Disulfide	1.753	1.680	4.2	93	-0.01
18	T	Methyl Acetate	1.172	0.768	34.5#	91	0.00
19	T	Methyl tert-butyl Ether	1.745	1.961	-12.4	99	0.00
20	T	Methylene Chloride	0.635	0.652	-2.7	96	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.594	-1.5	93	0.00
22	T	Diisopropyl ether	1.835	1.979	-7.8	94	0.00
23	T	Vinyl Acetate	1.265	1.479	-16.9	101	0.00
24	P	1,1-Dichloroethane	1.102	1.147	-4.1	95	0.00
25	T	2-Butanone	0.337	0.365	-8.3	102	0.00
26	T	2,2-Dichloropropane	0.959	1.063	-10.8	100	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.719	-5.3	96	0.00
28	T	Bromochloromethane	0.439	0.438	0.2	76	0.00
29	T	Tetrahydrofuran	0.224	0.262	-17.0	104	0.00
30	C	Chloroform	1.121	1.175	-4.8#	96	0.00
31	T	Cyclohexane	0.997	1.018	-2.1	96	0.00
32	T	1,1,1-Trichloroethane	1.021	1.085	-6.3	97	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.653	9.6	80	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.338	0.317	6.2	80	0.00
36	T	1,1-Dichloropropene	0.469	0.508	-8.3	98	0.00
37	T	Ethyl Acetate	0.426	0.496	-16.4	103	0.00
38	T	Carbon Tetrachloride	0.525	0.576	-9.7	98	0.00
39	T	Methylcyclohexane	0.478	0.571	-19.5	98	0.00
40	TM	Benzene	1.507	1.573	-4.4	95	0.00
41	T	Methacrylonitrile	0.229	0.291	-27.1#	103	0.00
42	TM	1,2-Dichloroethane	0.488	0.528	-8.2	93	0.00
43	T	Isopropyl Acetate	0.927	0.894	3.6	103	0.00
44	TM	Trichloroethene	0.348	0.365	-4.9	95	0.00
45	C	1,2-Dichloropropane	0.354	0.384	-8.5#	96	0.00
46	T	Dibromomethane	0.250	0.273	-9.2	97	0.00
47	T	Bromodichloromethane	0.526	0.569	-8.2	95	0.00
48	T	Methyl methacrylate	0.331	0.402	-21.5	101	0.00

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	96	0.00
50	S	Toluene-d8	1.247	1.145	8.2	77	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.504	-24.1	104	0.00
52	CM	Toluene	0.882	0.995	-12.8#	96	0.00
53	T	t-1,3-Dichloropropene	0.544	0.592	-8.8	95	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.634	-10.1	95	0.00
55	T	1,1,2-Trichloroethane	0.332	0.361	-8.7	96	0.00
56	T	Ethyl methacrylate	0.480	0.611	-27.3#	99	0.00
57	T	1,3-Dichloropropane	0.570	0.634	-11.2	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.274	-21.8	91	0.00
59	T	2-Hexanone	0.296	0.396	-33.8#	111	0.00
60	T	Dibromochloromethane	0.378	0.434	-14.8	96	0.00
61	T	1,2-Dibromoethane	0.340	0.370	-8.8	97	0.00
62	S	4-Bromofluorobenzene	0.466	0.449	3.6	79	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.333	0.356	-6.9	98	0.00
65	PM	Chlorobenzene	1.119	1.182	-5.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.421	-8.2	97	0.00
67	C	Ethyl Benzene	1.867	2.112	-13.1#	96	0.00
68	T	m/p-Xylenes	0.707	0.815	-15.3	96	0.00
69	T	o-Xylene	0.661	0.779	-17.9	97	0.00
70	T	Styrene	1.154	1.329	-15.2	95	0.00
71	P	Bromoform	0.293	0.330	-12.6	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
73	T	Isopropylbenzene	3.504	3.902	-11.4	97	0.00
74	T	N-amyl acetate	1.491	1.672	-12.1	97	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.194	-2.1	99	0.00
76	T	1,2,3-Trichloropropane	0.999	1.019	-2.0	102	0.00
77	T	Bromobenzene	0.942	0.924	1.9	93	0.00
78	T	n-propylbenzene	4.106	4.588	-11.7	96	0.00
79	T	2-Chlorotoluene	2.683	2.847	-6.1	96	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.315	-14.2	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.464	-10.2	103	0.00
82	T	4-Chlorotoluene	2.823	2.882	-2.1	94	0.00
83	T	tert-Butylbenzene	2.403	2.835	-18.0	99	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.374	-12.6	95	0.00
85	T	sec-Butylbenzene	3.395	3.804	-12.0	95	0.00
86	T	p-Isopropyltoluene	2.784	3.268	-17.4	95	0.00
87	T	1,3-Dichlorobenzene	1.838	1.743	5.2	93	0.00
88	T	1,4-Dichlorobenzene	1.937	1.741	10.1	92	0.00
89	T	n-Butylbenzene	2.605	2.767	-6.2	94	0.00
90	T	Hexachloroethane	0.621	0.611	1.6	92	0.00
91	T	1,2-Dichlorobenzene	1.766	1.729	2.1	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.253	-6.8	104	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.914	5.5	94	0.00
94	T	Hexachlorobutadiene	0.425	0.406	4.5	98	0.00
95	T	Naphthalene	2.894	3.001	-3.7	96	0.00

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.869	7.5	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	88	0.00
2	T	Dichlorodifluoromethane	50.000	54.304	-8.6	100	0.00
3	P	Chloromethane	50.000	49.734	0.5	88	0.00
4	C	Vinyl Chloride	50.000	52.764	-5.5#	95	0.00
5	T	Bromomethane	50.000	51.955	-3.9	102	-0.05
6	T	Chloroethane	50.000	53.398	-6.8	96	-0.05
7	T	Trichlorofluoromethane	50.000	52.445	-4.9	98	-0.02
8	T	Diethyl Ether	50.000	53.922	-7.8	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.510	-7.0	98	-0.02
10	T	Methyl Iodide	50.000	54.245	-8.5	100	-0.02
11	T	Tert butyl alcohol	250.000	289.250	-15.7	113	0.02
12	CM	1,1-Dichloroethene	50.000	50.612	-1.2#	95	-0.02
13	T	Acrolein	250.000	266.836	-6.7	102	0.00
14	T	Allyl chloride	50.000	53.110	-6.2	95	-0.01
15	T	Acrylonitrile	250.000	280.842	-12.3	101	0.00
16	T	Acetone	250.000	239.592	4.2	87	0.00
17	T	Carbon Disulfide	50.000	47.919	4.2	93	-0.01
18	T	Methyl Acetate	50.000	50.446	-0.9	91	0.00
19	T	Methyl tert-butyl Ether	50.000	56.177	-12.4	99	0.00
20	T	Methylene Chloride	50.000	51.299	-2.6	96	-0.01
21	T	trans-1,2-Dichloroethene	50.000	50.781	-1.6	93	0.00
22	T	Diisopropyl ether	50.000	53.937	-7.9	94	0.00
23	T	Vinyl Acetate	250.000	292.299	-16.9	101	0.00
24	P	1,1-Dichloroethane	50.000	52.053	-4.1	95	0.00
25	T	2-Butanone	250.000	271.102	-8.4	102	0.00
26	T	2,2-Dichloropropane	50.000	55.420	-10.8	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.668	-5.3	96	0.00
28	T	Bromochloromethane	50.000	49.917	0.2	76	0.00
29	T	Tetrahydrofuran	250.000	293.003	-17.2	104	0.00
30	C	Chloroform	50.000	52.416	-4.8#	96	0.00
31	T	Cyclohexane	50.000	51.034	-2.1	96	0.00
32	T	1,1,1-Trichloroethane	50.000	53.137	-6.3	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.219	9.6	80	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	46.769	6.5	80	0.00
36	T	1,1-Dichloropropene	50.000	54.113	-8.2	98	0.00
37	T	Ethyl Acetate	50.000	58.292	-16.6	103	0.00
38	T	Carbon Tetrachloride	50.000	54.908	-9.8	98	0.00
39	T	Methylcyclohexane	50.000	59.777	-19.6	98	0.00
40	TM	Benzene	50.000	52.170	-4.3	95	0.00
41	T	Methacrylonitrile	50.000	63.513	-27.0#	103	0.00
42	TM	1,2-Dichloroethane	50.000	54.090	-8.2	93	0.00
43	T	Isopropyl Acetate	50.000	56.930	-13.9	103	0.00
44	TM	Trichloroethene	50.000	52.511	-5.0	95	0.00
45	C	1,2-Dichloropropane	50.000	54.331	-8.7#	96	0.00
46	T	Dibromomethane	50.000	54.624	-9.2	97	0.00
47	T	Bromodichloromethane	50.000	54.053	-8.1	95	0.00
48	T	Methyl methacrylate	50.000	60.645	-21.3	101	0.00

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1139.408	-13.9	96	0.00
50	S	Toluene-d8	50.000	45.930	8.1	77	0.00
51	T	4-Methyl-2-Pentanone	250.000	310.450	-24.2	104	0.00
52	CM	Toluene	50.000	56.456	-12.9#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	54.366	-8.7	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.045	-10.1	95	0.00
55	T	1,1,2-Trichloroethane	50.000	54.394	-8.8	96	0.00
56	T	Ethyl methacrylate	50.000	63.590	-27.2#	99	0.00
57	T	1,3-Dichloropropane	50.000	55.619	-11.2	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	304.461	-21.8	91	0.00
59	T	2-Hexanone	250.000	334.603	-33.8#	111	0.00
60	T	Dibromochloromethane	50.000	57.305	-14.6	96	0.00
61	T	1,2-Dibromoethane	50.000	54.368	-8.7	97	0.00
62	S	4-Bromofluorobenzene	50.000	48.235	3.5	79	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	53.532	-7.1	98	0.00
65	PM	Chlorobenzene	50.000	52.828	-5.7	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.146	-8.3	97	0.00
67	C	Ethyl Benzene	50.000	56.556	-13.1#	96	0.00
68	T	m/p-Xylenes	100.000	115.337	-15.3	96	0.00
69	T	o-Xylene	50.000	58.928	-17.9	97	0.00
70	T	Styrene	50.000	57.589	-15.2	95	0.00
71	P	Bromoform	50.000	56.375	-12.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.00
73	T	Isopropylbenzene	50.000	55.679	-11.4	97	0.00
74	T	N-amyl acetate	50.000	56.065	-12.1	97	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.040	-2.1	99	0.00
76	T	1,2,3-Trichloropropane	50.000	50.987	-2.0	102	0.00
77	T	Bromobenzene	50.000	49.030	1.9	93	0.00
78	T	n-propylbenzene	50.000	55.869	-11.7	96	0.00
79	T	2-Chlorotoluene	50.000	53.064	-6.1	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	57.072	-14.1	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.078	-10.2	103	0.00
82	T	4-Chlorotoluene	50.000	51.041	-2.1	94	0.00
83	T	tert-Butylbenzene	50.000	58.973	-17.9	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.287	-12.6	95	0.00
85	T	sec-Butylbenzene	50.000	56.017	-12.0	95	0.00
86	T	p-Isopropyltoluene	50.000	58.679	-17.4	95	0.00
87	T	1,3-Dichlorobenzene	50.000	47.403	5.2	93	0.00
88	T	1,4-Dichlorobenzene	50.000	51.698	-3.4	92	0.00
89	T	n-Butylbenzene	50.000	53.124	-6.2	94	0.00
90	T	Hexachloroethane	50.000	49.189	1.6	92	0.00
91	T	1,2-Dichlorobenzene	50.000	48.934	2.1	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.467	-6.9	104	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.286	5.4	94	0.00
94	T	Hexachlorobutadiene	50.000	47.779	4.4	98	0.00
95	T	Naphthalene	50.000	51.842	-3.7	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.284	7.4	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

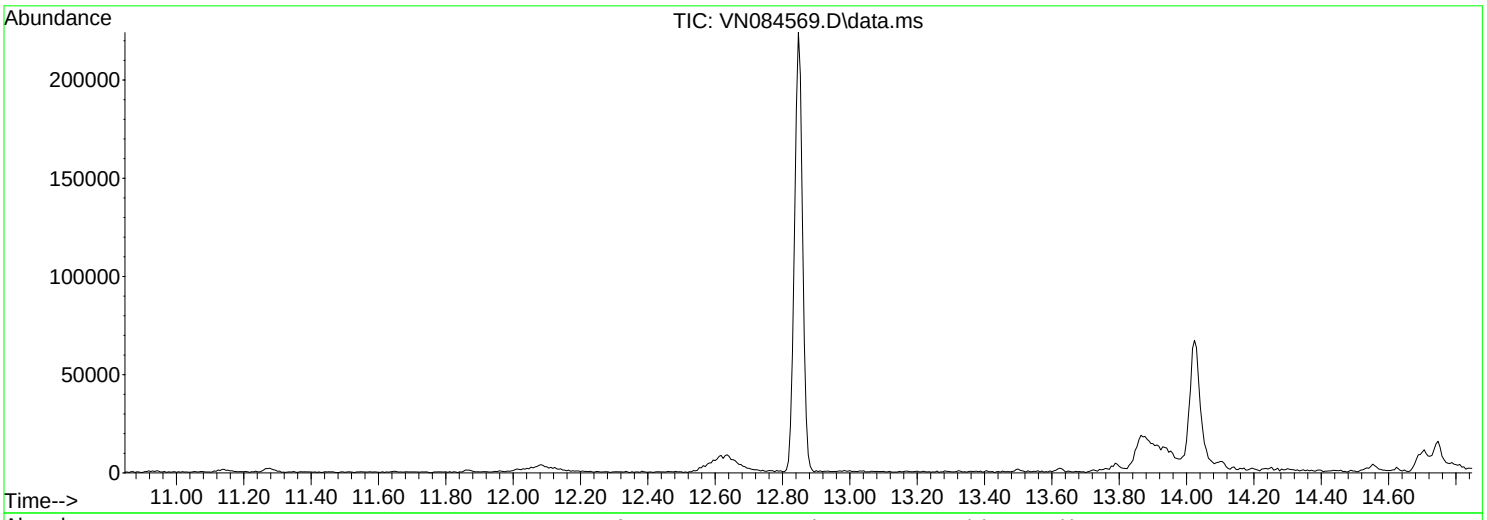
Sample Results: **VN084569.D**

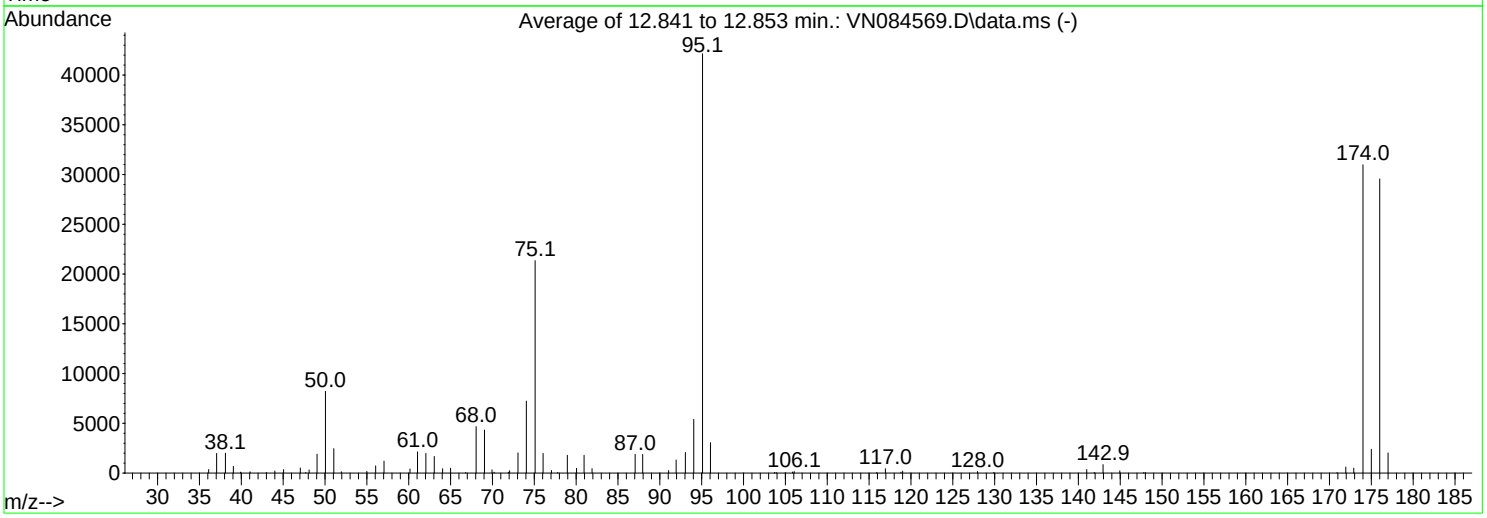
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084569.D
Acq On : 30 Oct 2024 10:42
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	8210	PASS
75	95	30	60	50.7	21357	PASS
95	95	100	100	100.0	42141	PASS
96	95	5	9	7.2	3053	PASS
173	174	0.00	2	1.6	502	PASS
174	95	50	100	73.5	30984	PASS
175	174	5	9	7.7	2392	PASS
176	174	95	101	95.4	29560	PASS
177	176	5	9	6.9	2026	PASS

Average of 12.841 to 12.853 min.: VN084569.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	359	48.10	321	63.05	1677	74.05	7235
37.05	1972	49.05	1905	64.05	441	75.10	21357
38.10	2004	50.05	8210	65.00	496	76.05	1981
39.05	674	51.05	2454	66.80	70	77.05	266
39.90	98	51.95	137	68.05	4674	77.80	63
41.05	129	55.00	174	69.05	4327	78.95	1789
43.00	58	56.05	724	69.95	329	80.05	481
44.00	211	57.05	1205	70.20	94	80.95	1784
45.05	351	60.15	415	71.90	82	81.90	450
47.05	515	61.05	2127	72.05	237	87.05	1893
47.70	66	62.05	1973	73.05	2035	87.95	1870

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084569.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.05	256	115.90	54	148.00	75		
91.95	1316	116.95	438	170.90	52		
93.05	2070	118.80	90	171.95	607		
94.05	5401	119.00	202	172.90	502		
95.10	42141	127.95	162	174.00	30984		
96.05	3053	129.90	69	175.00	2392		
103.70	65	141.00	358	176.00	29560		
103.90	65	141.90	66	177.00	2026		
105.00	53	142.95	857				
105.85	107	144.95	228				
106.05	162	147.80	53				

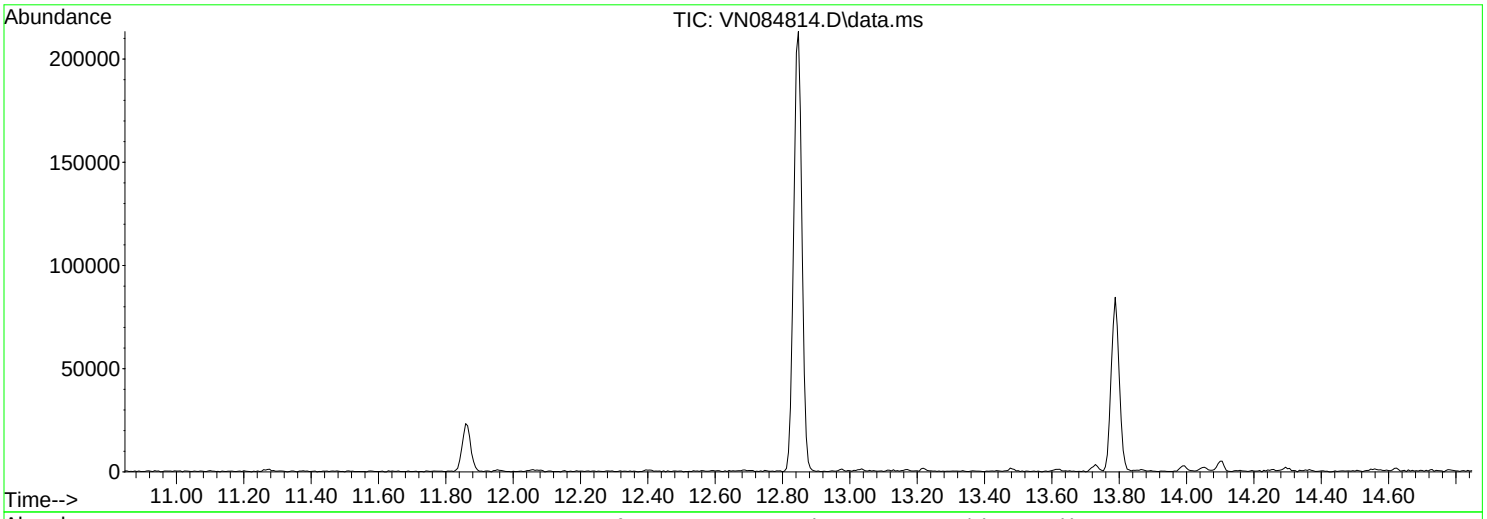
Sample Results: **VN084814.D**

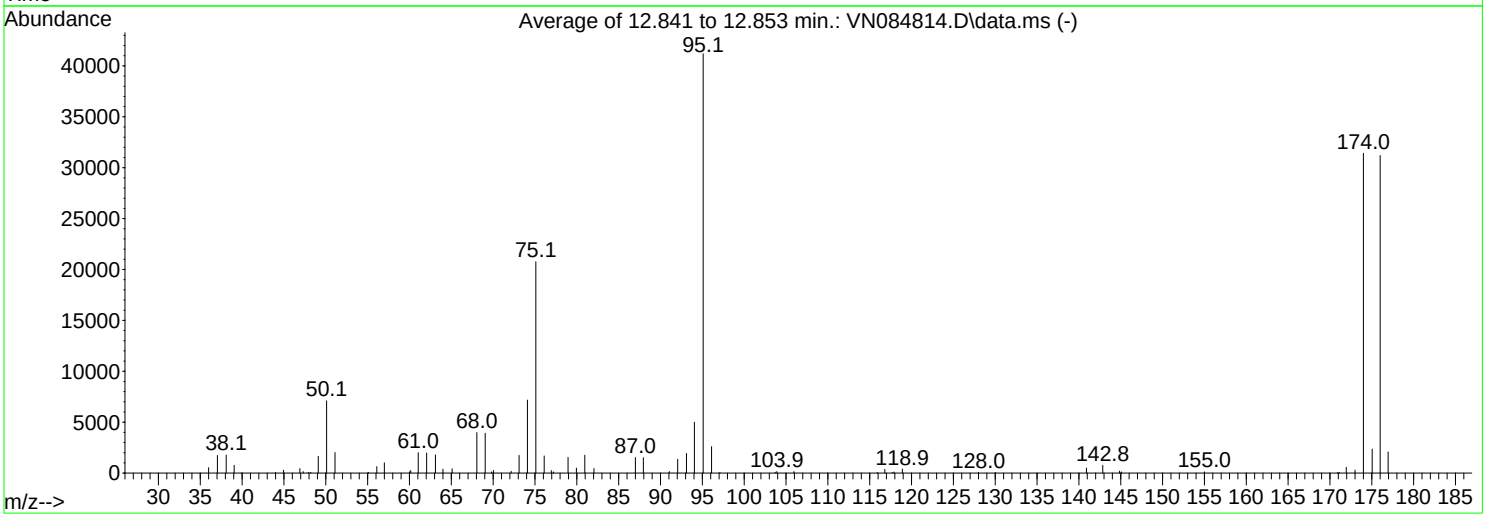
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084814.D
Acq On : 13 Nov 2024 08:53
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	7103	PASS
75	95	30	60	50.4	20765	PASS
95	95	100	100	100.0	41195	PASS
96	95	5	9	6.3	2598	PASS
173	174	0.00	2	0.9	292	PASS
174	95	50	100	76.3	31419	PASS
175	174	5	9	7.5	2357	PASS
176	174	95	101	99.3	31208	PASS
177	176	5	9	6.6	2074	PASS

Average of 12.841 to 12.853 min.: VN084814.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	531	49.10	1649	64.00	393	76.95	248
37.05	1731	50.10	7103	65.10	427	77.20	115
38.10	1774	51.10	2022	68.05	3985	78.95	1535
39.05	763	55.10	61	69.05	3920	79.95	487
39.90	6	56.10	641	69.80	121	80.95	1758
44.00	58	57.00	1009	70.05	254	82.05	450
44.95	286	60.00	127	72.15	177	87.00	1523
46.90	445	60.15	250	73.10	1741	87.95	1510
47.30	144	61.05	2007	74.10	7173	91.05	153
47.90	65	62.05	1978	75.10	20765	92.05	1355
48.20	70	63.10	1784	76.10	1683	93.10	1921

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084814.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.05	5004	118.90	394	173.00	292		
95.10	41195	128.00	72	174.00	31419		
96.10	2598	130.00	53	175.05	2357		
97.10	55	140.90	496	176.00	31208		
103.70	80	142.85	768	176.95	2074		
103.90	150	144.85	194				
105.95	150	145.10	120				
115.90	53	155.00	125				
116.80	362	170.90	51				
117.70	55	171.10	74				
117.90	114	171.95	562				

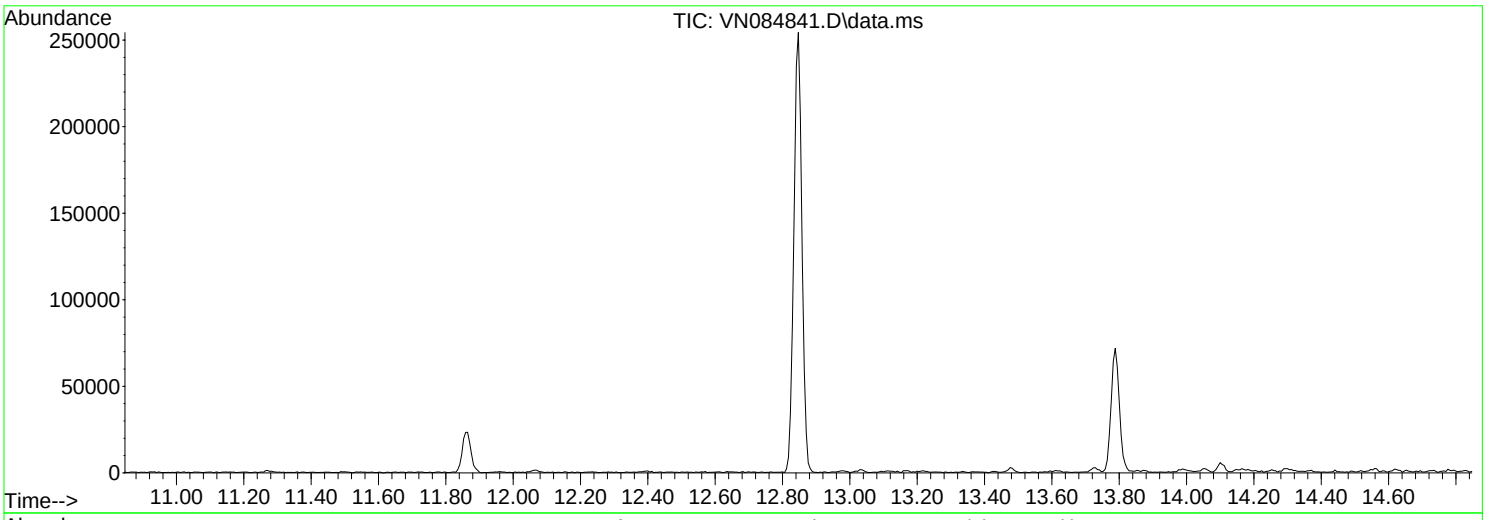
Sample Results: **VN084841.D**

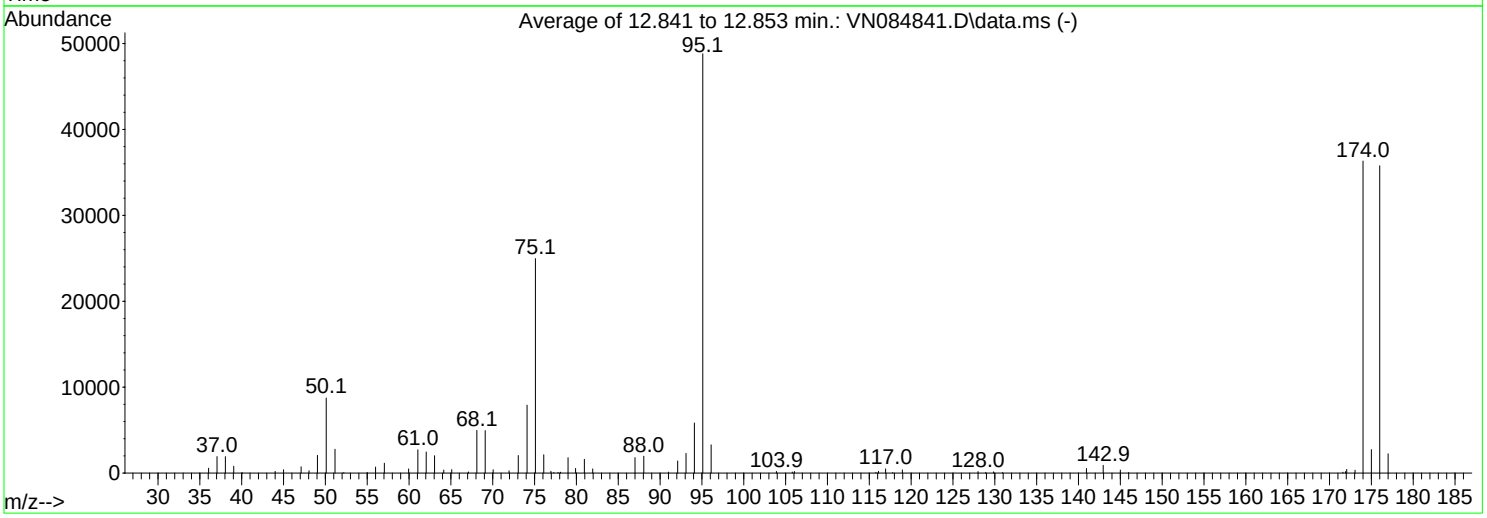
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084841.D
Acq On : 14 Nov 2024 08:53
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	8743	PASS
75	95	30	60	51.1	24965	PASS
95	95	100	100	100.0	48816	PASS
96	95	5	9	6.7	3292	PASS
173	174	0.00	2	0.9	342	PASS
174	95	50	100	74.4	36320	PASS
175	174	5	9	7.5	2732	PASS
176	174	95	101	98.5	35773	PASS
177	176	5	9	6.3	2248	PASS

Average of 12.841 to 12.853 min.: VN084841.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	573	51.15	2779	67.10	137	77.80	83
37.05	1922	52.20	62	68.10	4973	78.10	109
38.05	1917	55.00	60	69.10	4952	79.00	1795
39.05	801	56.00	699	70.05	391	79.90	537
40.00	0	57.05	1148	71.95	268	80.95	1605
44.00	200	59.95	489	73.05	2046	81.95	489
45.00	392	61.05	2708	74.10	7908	87.00	1799
47.10	736	62.05	2461	75.10	24965	88.05	1961
48.05	282	63.05	2024	76.10	2136	91.00	112
49.05	2064	64.15	360	76.95	213	92.10	1414
50.10	8743	65.10	407	77.30	73	93.10	2285

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084841.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	5835	128.00	178	173.05	342		
95.10	48816	128.90	54	174.00	36320		
96.10	3292	129.85	152	175.00	2732		
103.90	196	130.90	55	176.00	35773		
105.80	123	140.95	532	177.00	2248		
106.05	184	142.95	909				
115.80	88	145.00	360				
116.10	203	146.00	60				
116.95	492	171.60	106				
117.80	59	171.90	173				
118.95	373	172.05	427				

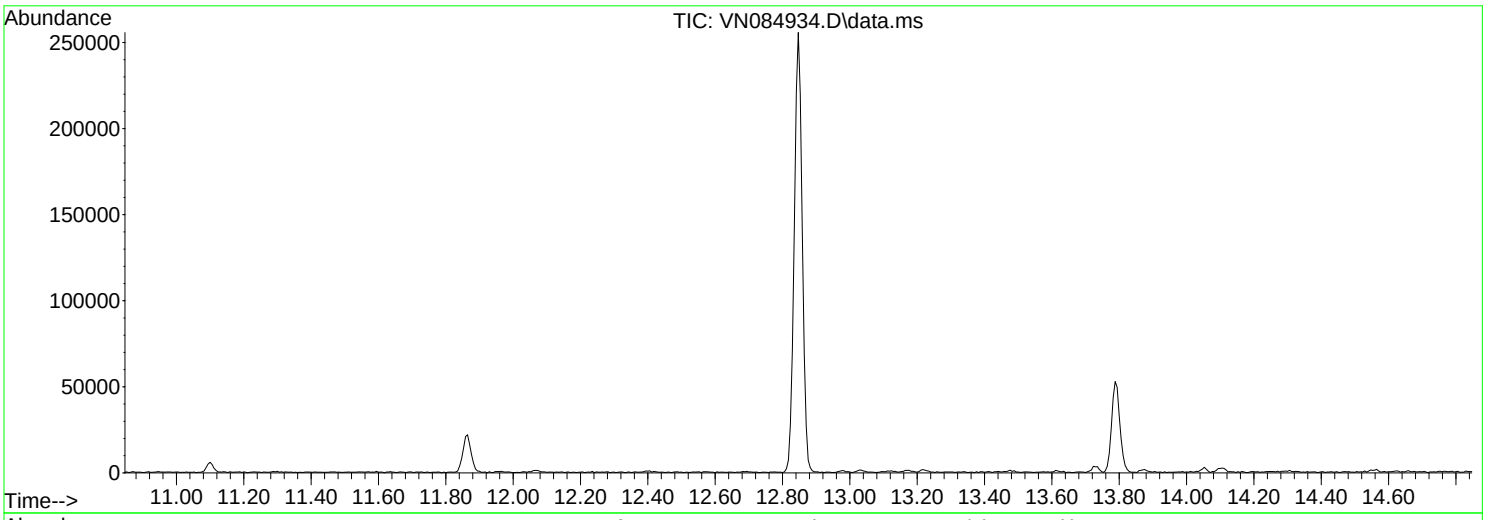
Sample Results: **VN084934.D**

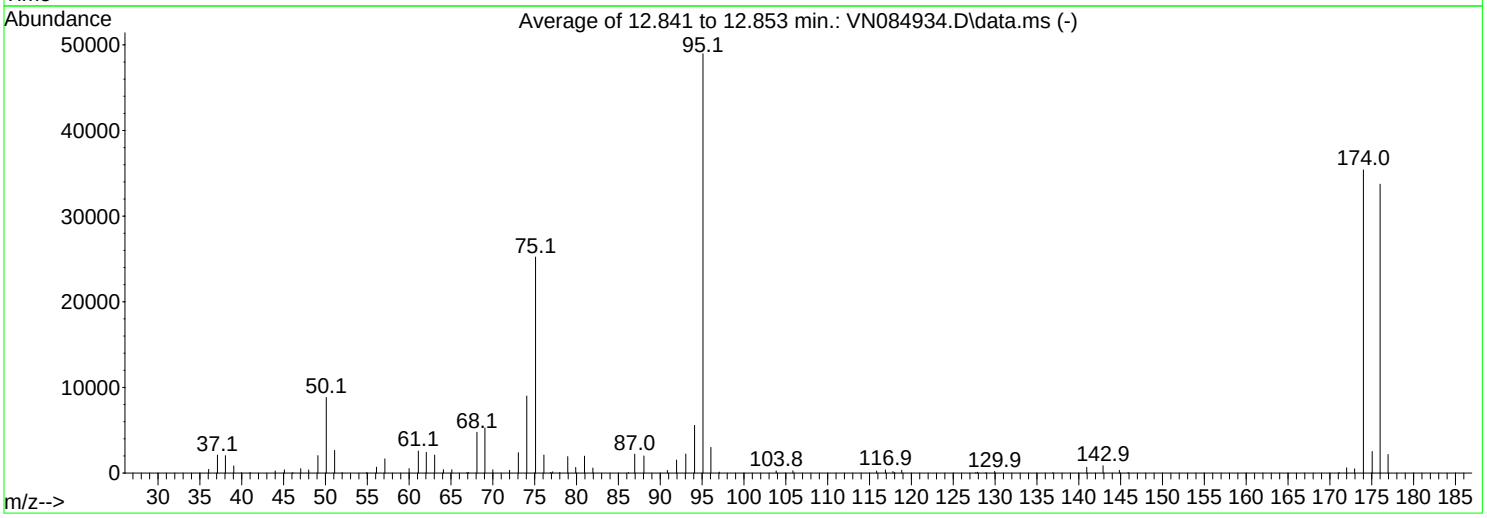
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084934.D
Acq On : 19 Nov 2024 08:15
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	8832	PASS
75	95	30	60	51.5	25227	PASS
95	95	100	100	100.0	48965	PASS
96	95	5	9	6.1	2998	PASS
173	174	0.00	2	1.4	500	PASS
174	95	50	100	72.3	35400	PASS
175	174	5	9	7.1	2519	PASS
176	174	95	101	95.3	33736	PASS
177	176	5	9	6.4	2170	PASS

Average of 12.841 to 12.853 min.: VN084934.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	433	49.10	2042	64.10	404	76.10	2109
37.10	2102	50.10	8832	65.10	401	76.90	86
38.05	2032	51.10	2644	66.90	58	77.15	154
39.05	843	52.00	53	67.10	89	78.00	66
39.95	31	54.90	50	68.10	4763	78.95	1920
41.00	60	56.10	689	69.05	5279	79.90	665
44.00	250	57.10	1665	70.00	387	80.95	1977
45.10	378	60.00	535	72.00	329	81.95	588
46.10	63	61.10	2574	73.05	2385	86.20	67
47.05	518	62.05	2424	74.05	8997	86.95	2210
48.00	370	63.05	2101	75.10	25227	88.05	2008

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084934.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.85	306	117.80	185	145.90	93		
91.95	1519	118.00	73	171.10	72		
93.05	2226	118.85	339	172.00	619		
94.10	5576	127.70	61	172.95	500		
95.10	48965	127.90	102	174.00	35400		
96.05	2998	128.90	50	175.05	2519		
97.05	117	129.95	201	176.00	33736		
103.85	273	136.90	51	176.95	2170		
105.85	269	140.95	668				
115.85	241	142.90	866				
116.90	378	144.85	329				

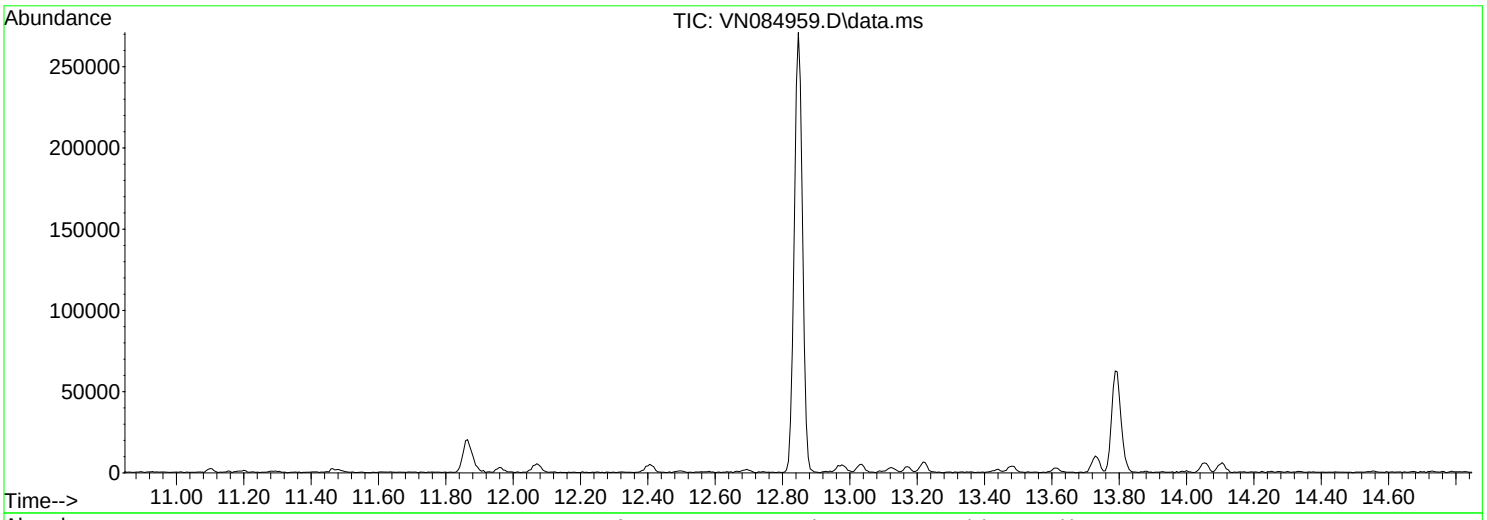
Sample Results: **VN084959.D**

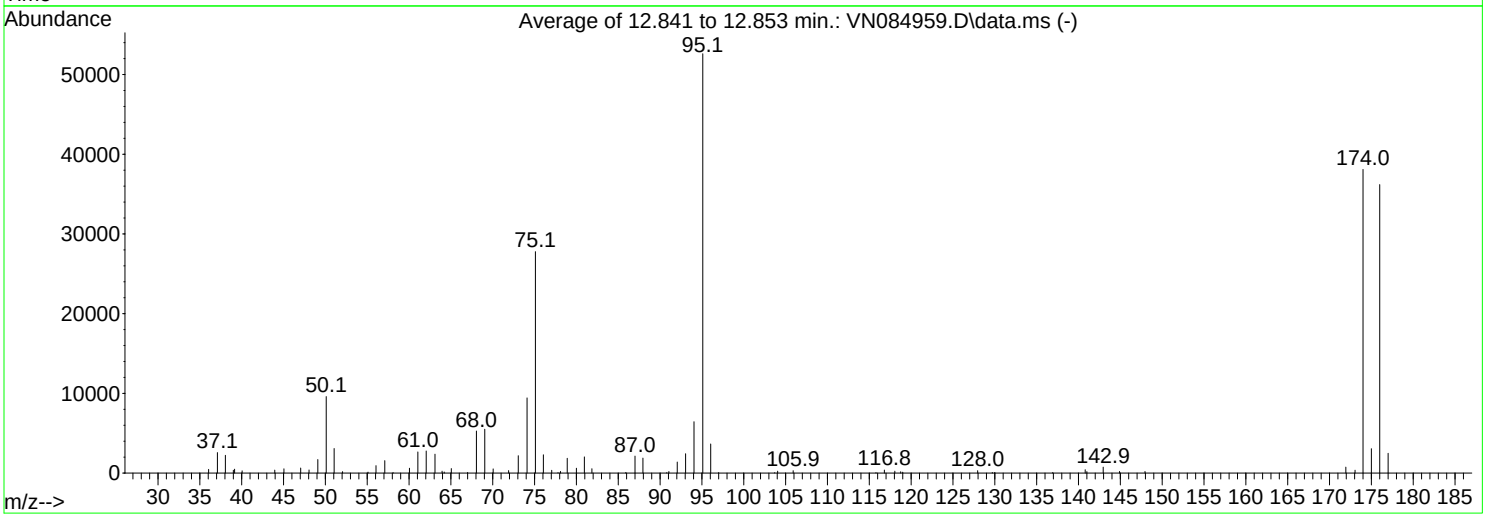
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084959.D
Acq On : 20 Nov 2024 09:51
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	9603	PASS
75	95	30	60	52.8	27779	PASS
95	95	100	100	100.0	52611	PASS
96	95	5	9	6.9	3649	PASS
173	174	0.00	2	0.9	361	PASS
174	95	50	100	72.4	38096	PASS
175	174	5	9	8.0	3061	PASS
176	174	95	101	95.0	36195	PASS
177	176	5	9	6.9	2485	PASS

Average of 12.841 to 12.853 min.: VN084959.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	462	50.10	9603	63.95	245	76.05	2292
37.10	2574	51.05	3083	64.20	136	77.05	349
38.05	2230	52.05	179	65.05	566	77.80	61
39.00	357	55.10	123	67.00	73	78.10	204
39.15	489	56.05	935	68.05	5275	78.90	1859
40.05	285	57.10	1561	69.05	5496	80.00	607
43.95	376	58.10	57	70.05	524	80.95	2029
45.05	537	60.05	607	71.90	314	81.85	551
47.05	633	61.05	2652	73.05	2179	85.90	70
48.05	394	62.05	2768	74.10	9434	87.00	2133
49.10	1701	63.10	2374	75.10	27779	87.95	1883

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084959.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.80	56	115.80	58	142.95	744		
91.05	200	116.80	382	144.90	202		
92.05	1389	118.05	245	147.95	202		
93.05	2427	118.75	167	171.95	747		
94.05	6446	119.00	115	173.05	361		
95.10	52611	127.95	301	174.00	38096		
96.05	3649	129.70	75	175.00	3061		
97.00	52	130.00	76	176.00	36195		
103.70	56	136.90	54	177.00	2485		
104.05	241	140.80	424				
105.90	304	141.00	188				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4770
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4770
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	46.6		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	177000	8.218			
540-36-3	1,4-Difluorobenzene	303000	9.094			
3114-55-4	Chlorobenzene-d5	266000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.788			

Raw Data: **VN084817.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4770
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084817.D
Acq On : 13 Nov 2024 10:50
Operator : JC\MD
Sample : VN1113WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Quant Time: Nov 14 00:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	177026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	303081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	126582	49.507	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.020%		
35) Dibromofluoromethane	8.159	113	102487	49.957	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.920%		
50) Toluene-d8	10.565	98	352443	46.638	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.280%		
62) 4-Bromofluorobenzene	12.847	95	129442	45.831	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.660%		

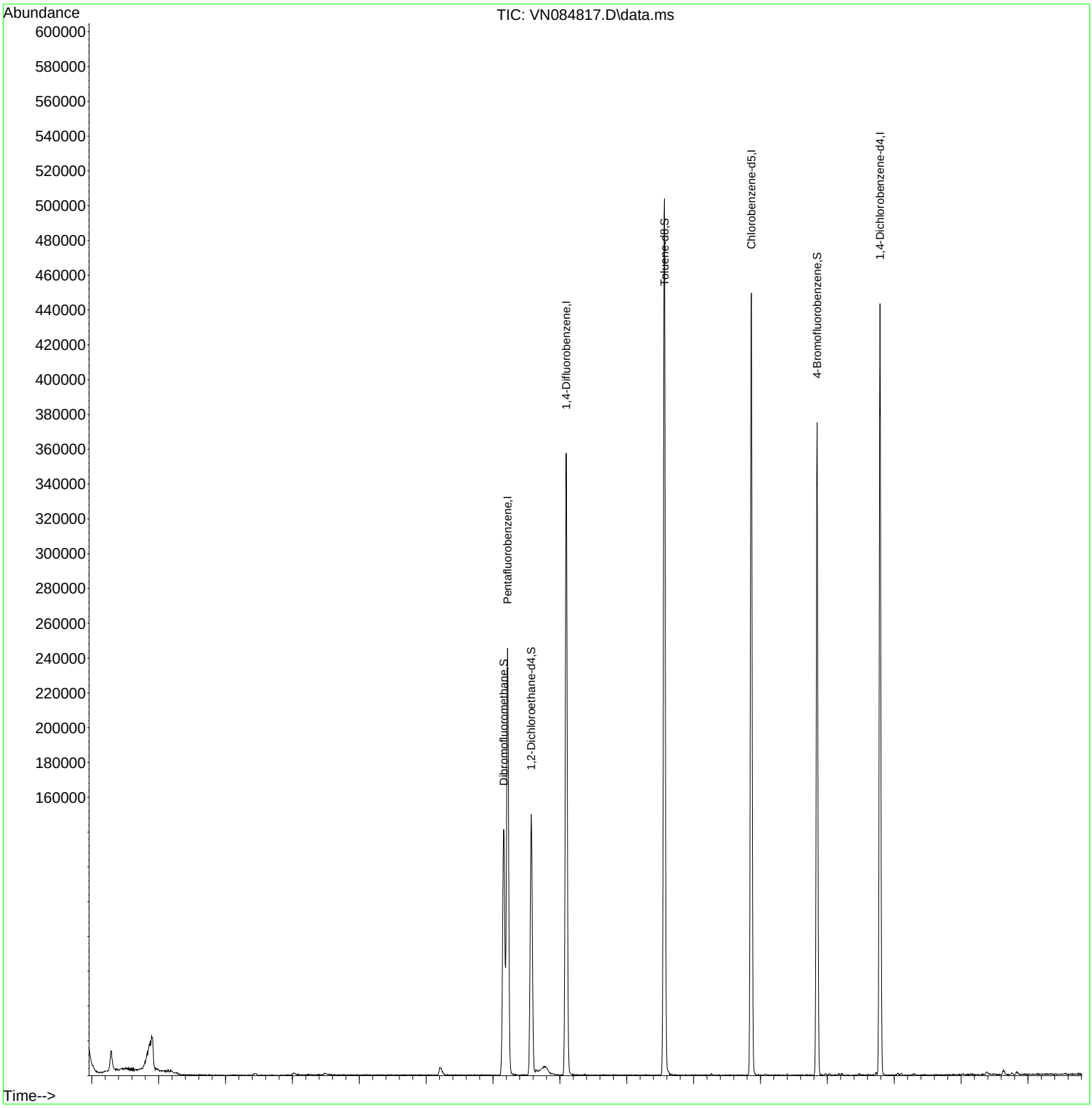
Target Compounds Qvalue

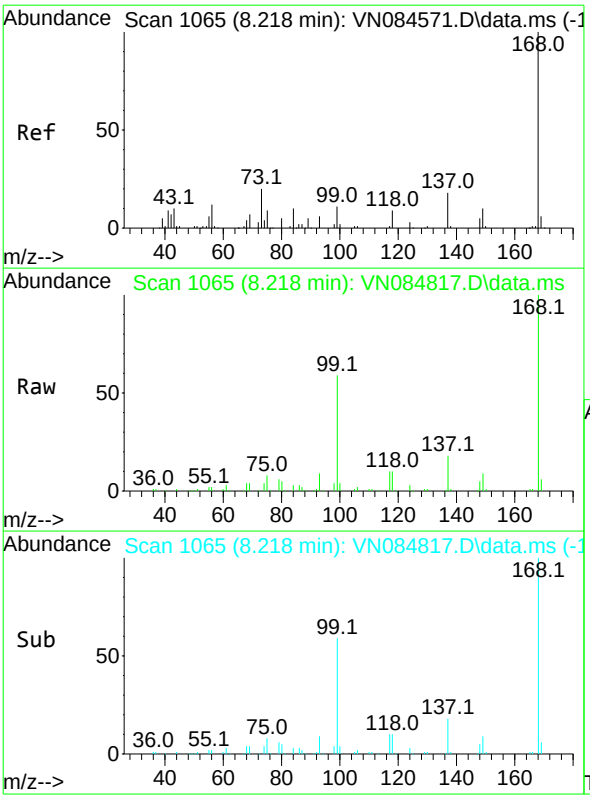
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084817.D
Acq On : 13 Nov 2024 10:50
Operator : JC\MD
Sample : VN1113WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Quant Time: Nov 14 00:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



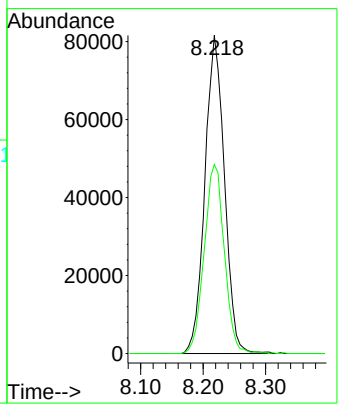


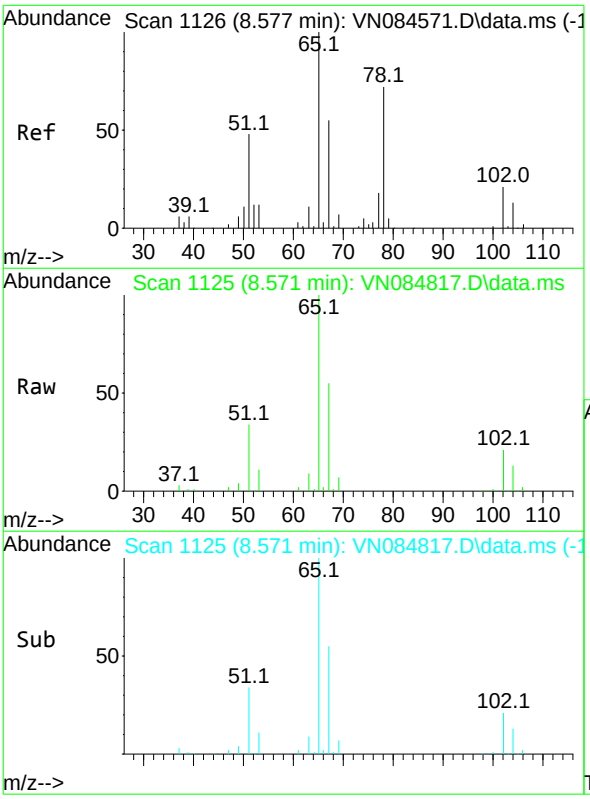
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tgt Ion:168 Resp: 177026

Ion	Ratio	Lower	Upper
168	100		
99	59.4	54.2	81.2

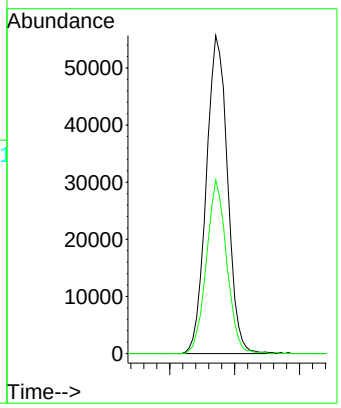


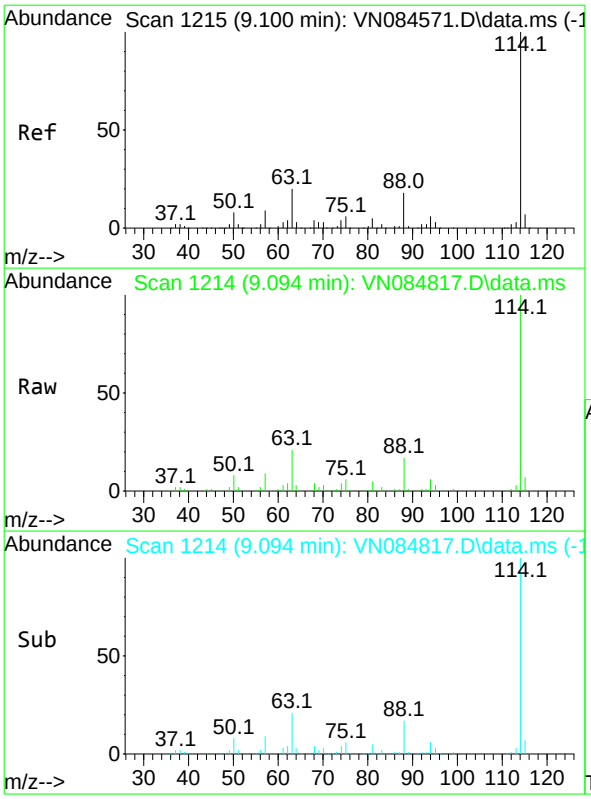


#33
1,2-Dichloroethane-d4
Concen: 49.507 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion: 65 Resp: 126582

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0



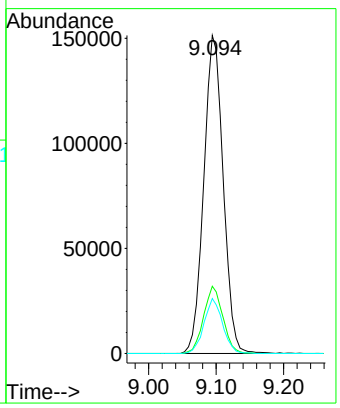


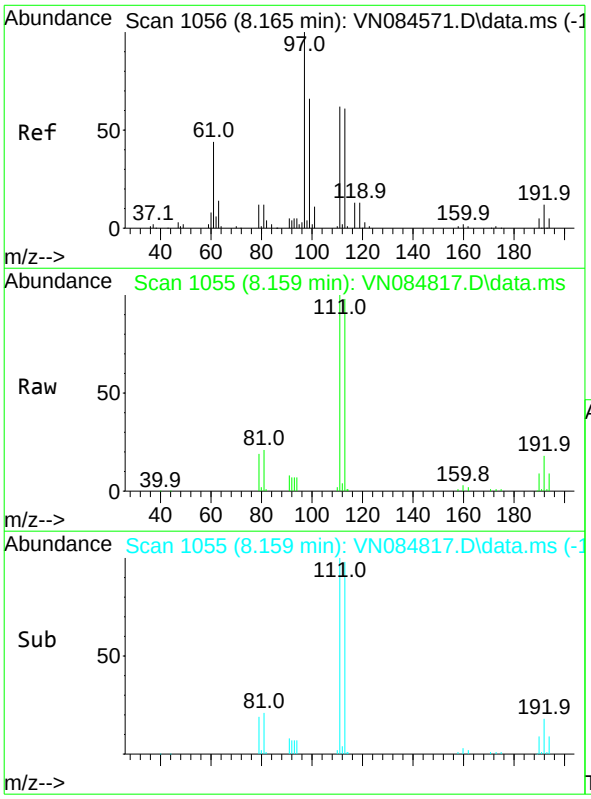
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tgt Ion:114 Resp: 303081

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.8
88	17.3	0.0	31.6

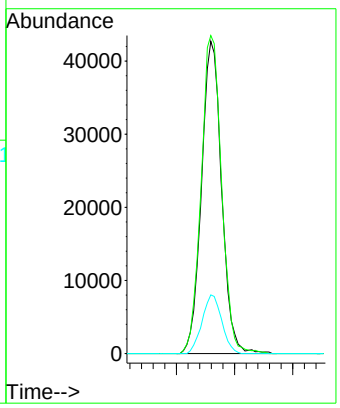


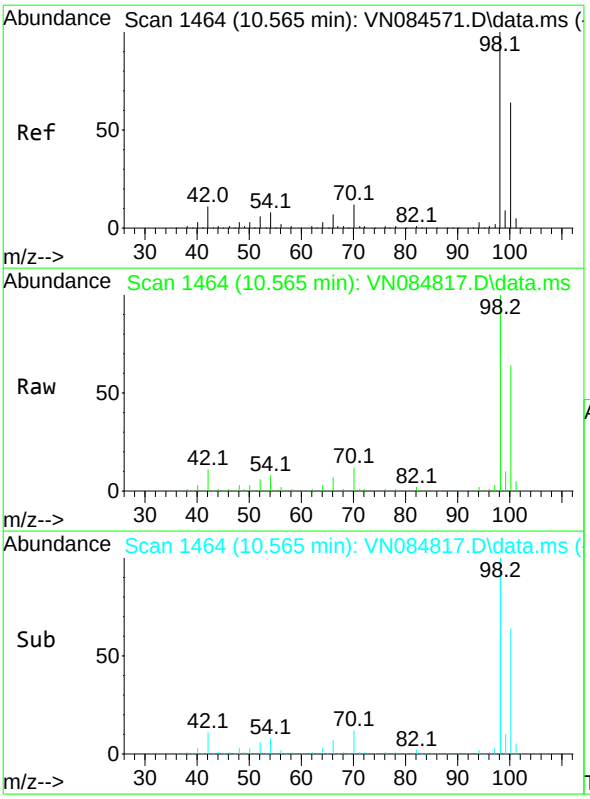


#35
Dibromofluoromethane
Concen: 49.957 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion:113 Resp: 102487

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.3	124.9
192	18.4	13.5	20.3



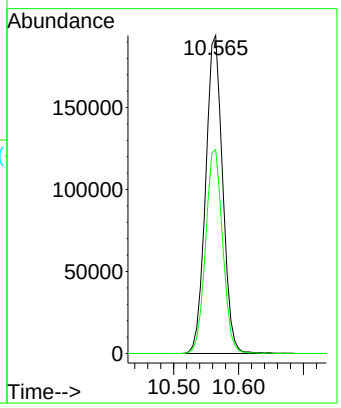


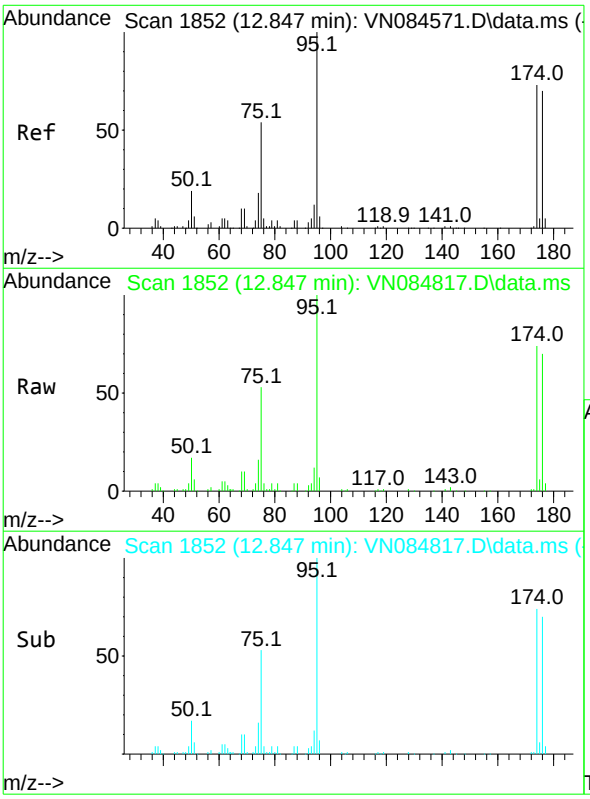
#50
Toluene-d8
Concen: 46.638 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tgt Ion: 98 Resp: 352443

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1

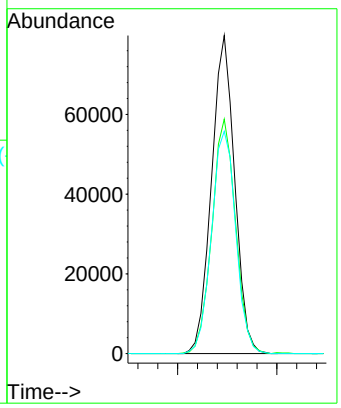


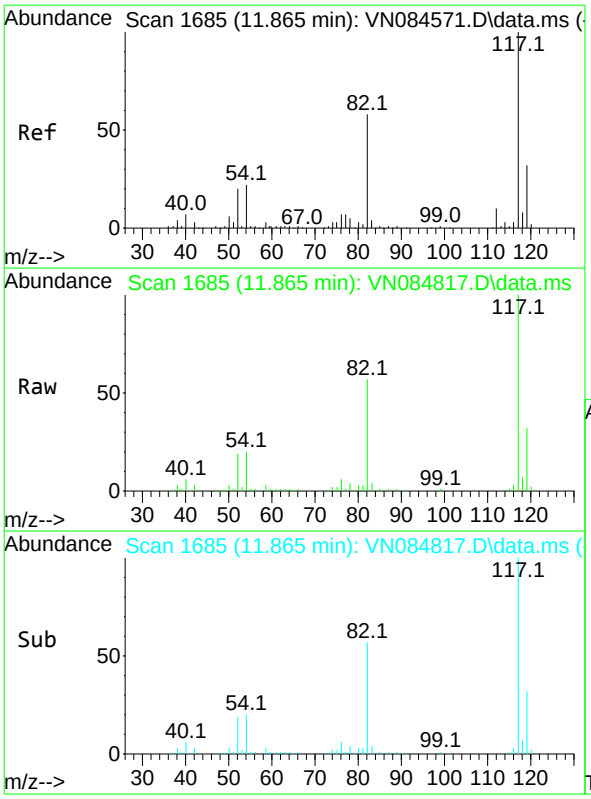


#62
4-Bromofluorobenzene
Concen: 45.831 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion: 95 Resp: 129442

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	145.2
176	73.1	0.0	140.0



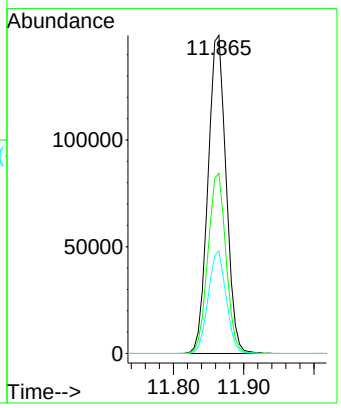


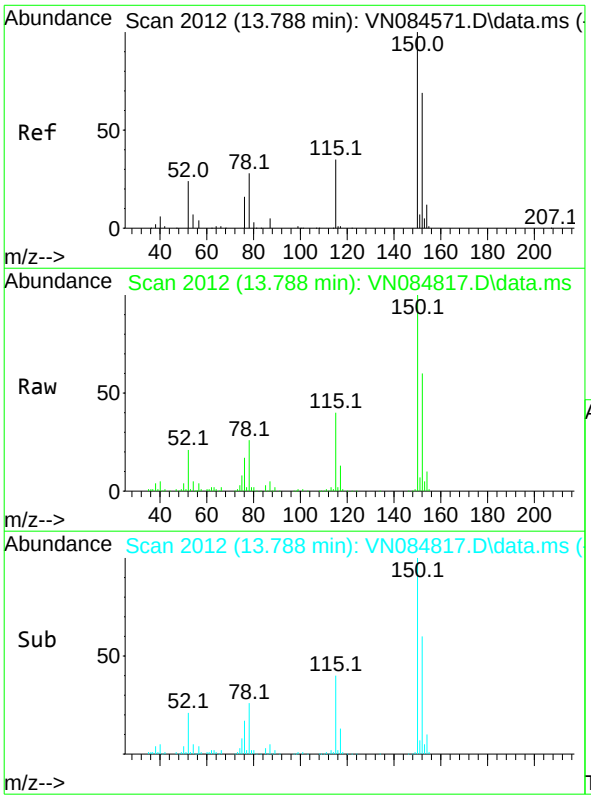
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tgt Ion:117 Resp: 266497

Ion	Ratio	Lower	Upper
117	100		
82	56.6	47.2	70.8
119	32.2	25.4	38.0

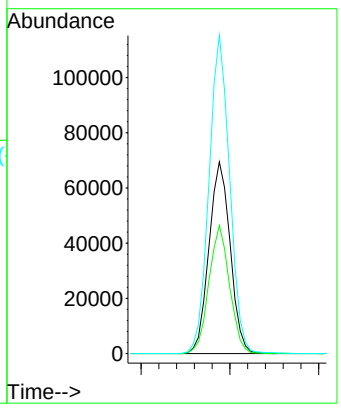




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion:152 Resp: 115573

Ion	Ratio	Lower	Upper
152	100		
115	64.8	31.3	93.9
150	161.6	0.0	349.8



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBL01	SDG No.:	P4770
Lab Sample ID:	VN1114WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084844.D	1		11/14/24 10:52	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

Raw Data: **VN084844.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBL01	SDG No.:	P4770
Lab Sample ID:	VN1114WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084844.D	1		11/14/24 10:52	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	46.3		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	8.218			
540-36-3	1,4-Difluorobenzene	341000	9.094			
3114-55-4	Chlorobenzene-d5	294000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.788			

Raw Data: **VN084844.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBL01	SDG No.:	P4770
Lab Sample ID:	VN1114WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084844.D	1		11/14/24 10:52	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084844.D
Acq On : 14 Nov 2024 10:52
Operator : JC\MD
Sample : VN1114WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Quant Time: Nov 15 00:42:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	203029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	340637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	293869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	149395	50.946	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.900%			
35) Dibromofluoromethane	8.165	113	119930	52.015	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.020%			
50) Toluene-d8	10.565	98	393047	46.276	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.560%			
62) 4-Bromofluorobenzene	12.847	95	149177	46.995	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.000%			
Target Compounds						Qvalue

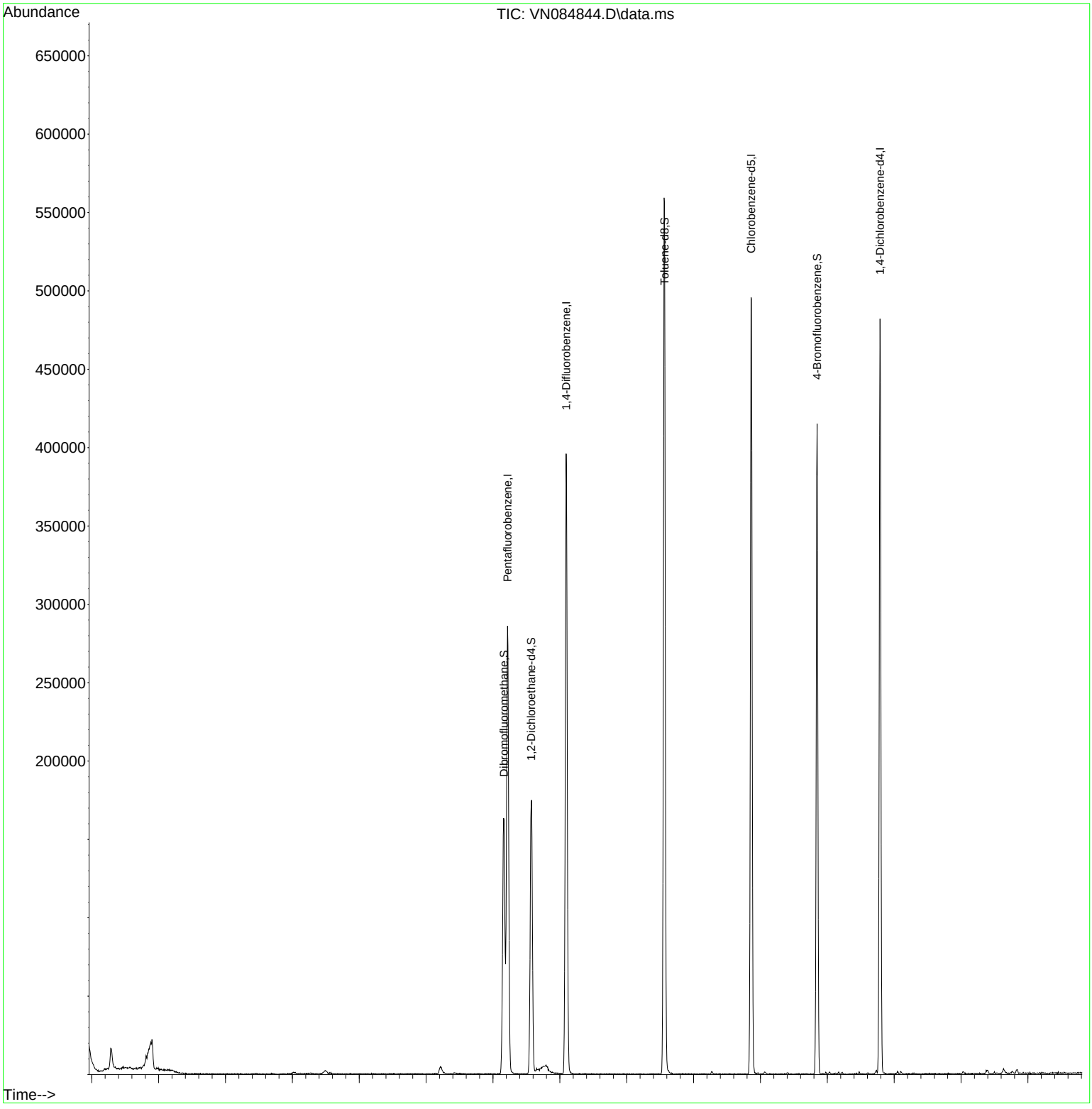
(#) = qualifier out of range (m) = manual integration (+) = signals summed

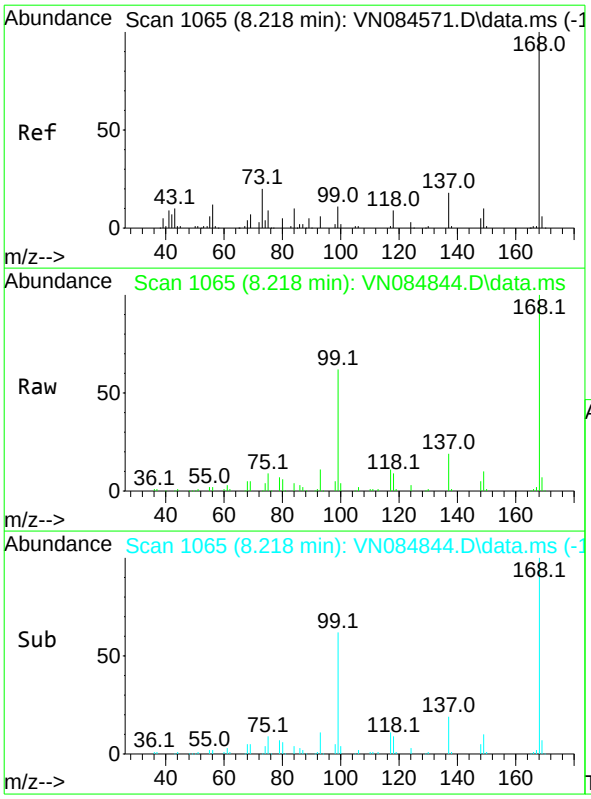
Sample Results: **VN084844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084844.D
Acq On : 14 Nov 2024 10:52
Operator : JC\MD
Sample : VN1114WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Quant Time: Nov 15 00:42:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



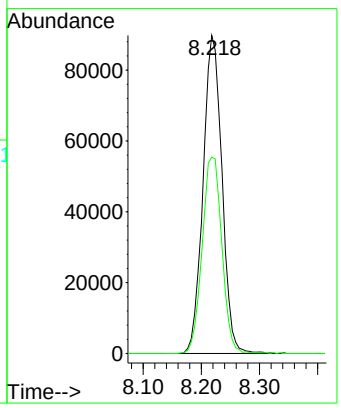


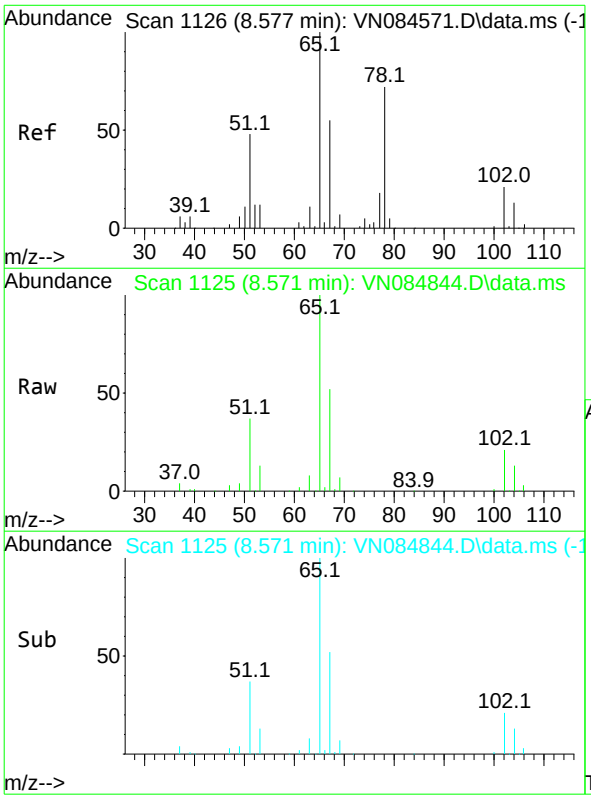
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Tgt Ion:168 Resp: 203029

Ion	Ratio	Lower	Upper
168	100		
99	61.8	54.2	81.2

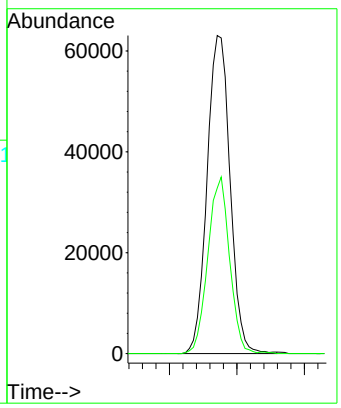


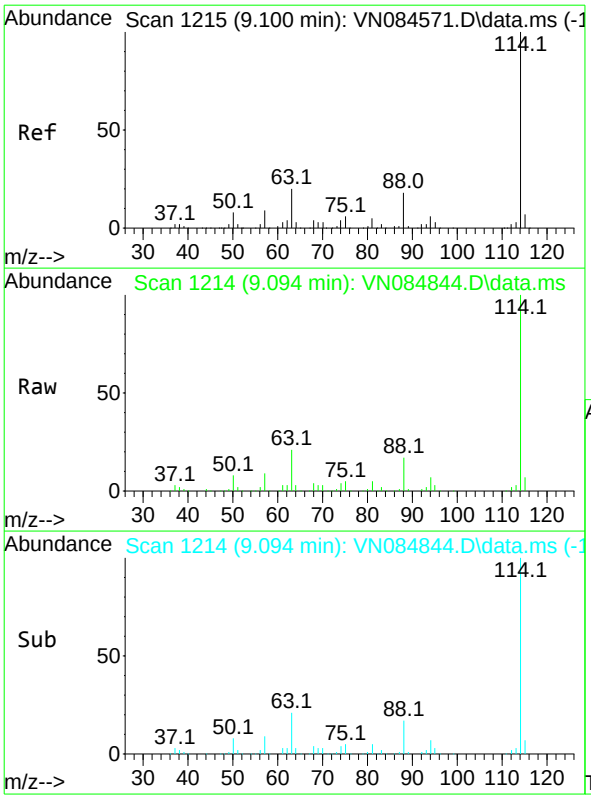


#33
1,2-Dichloroethane-d4
Concen: 50.946 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion: 65 Resp: 149395

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	102.0



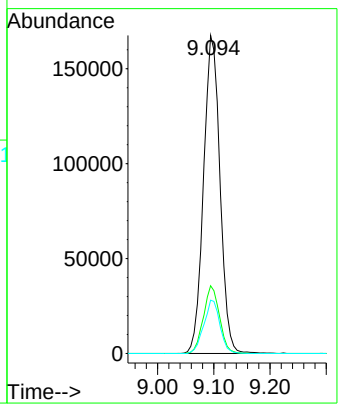


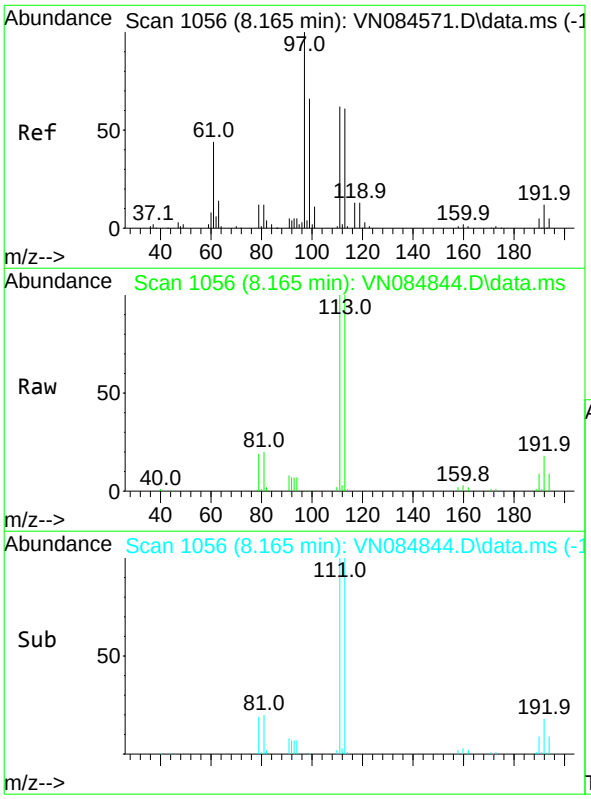
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Tgt Ion:114 Resp: 340637

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.8
88	16.8	0.0	31.6

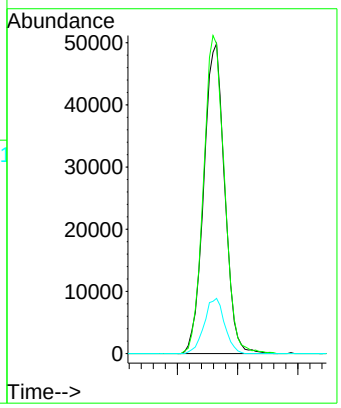


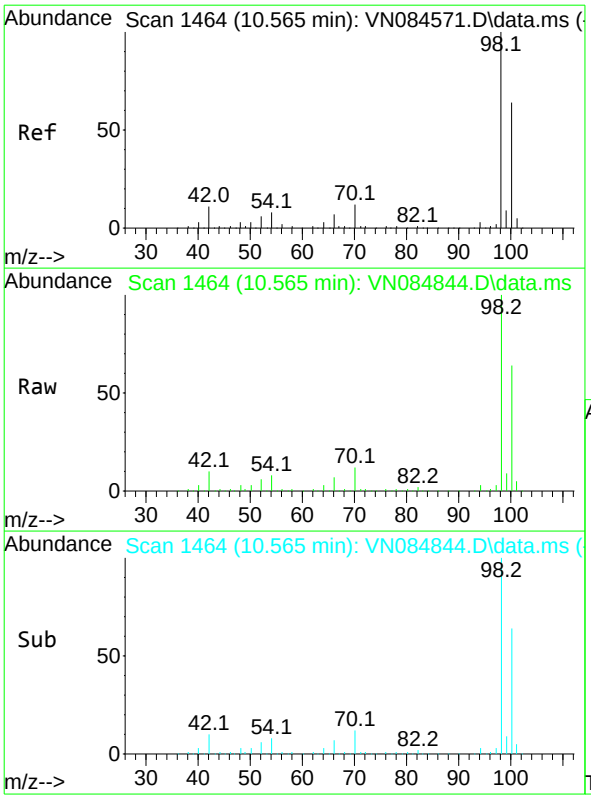


#35
Dibromofluoromethane
Concen: 52.015 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion:113 Resp: 119930

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.3	124.9
192	17.4	13.5	20.3



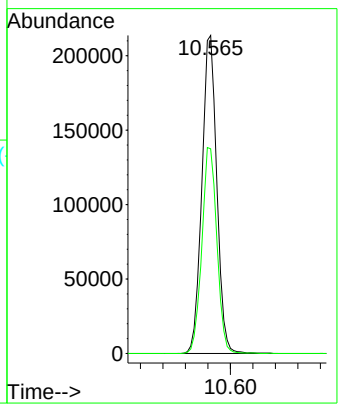


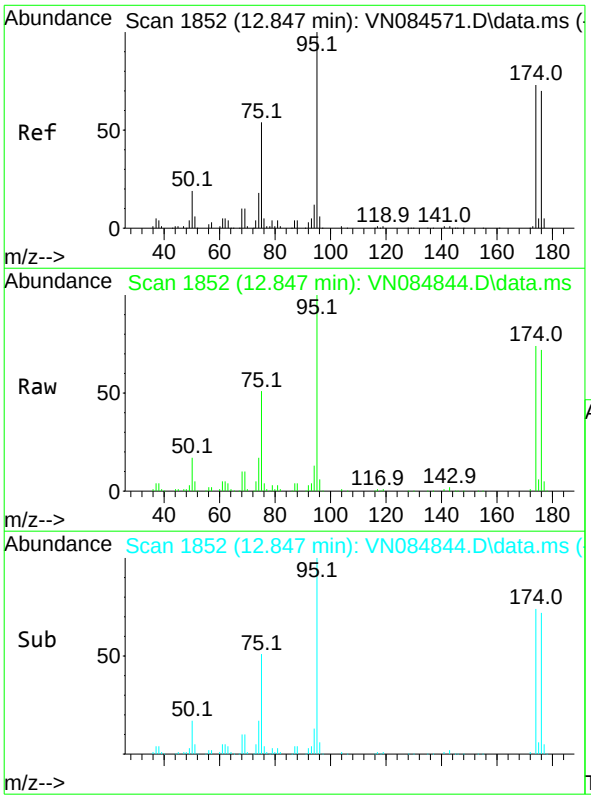
#50
Toluene-d8
Concen: 46.276 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Tgt Ion: 98 Resp: 393047

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

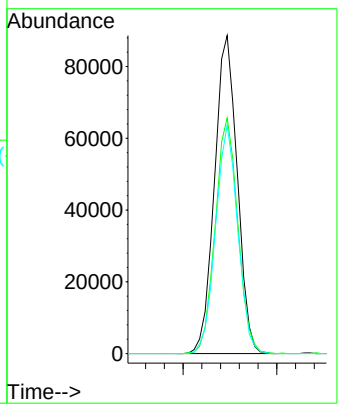


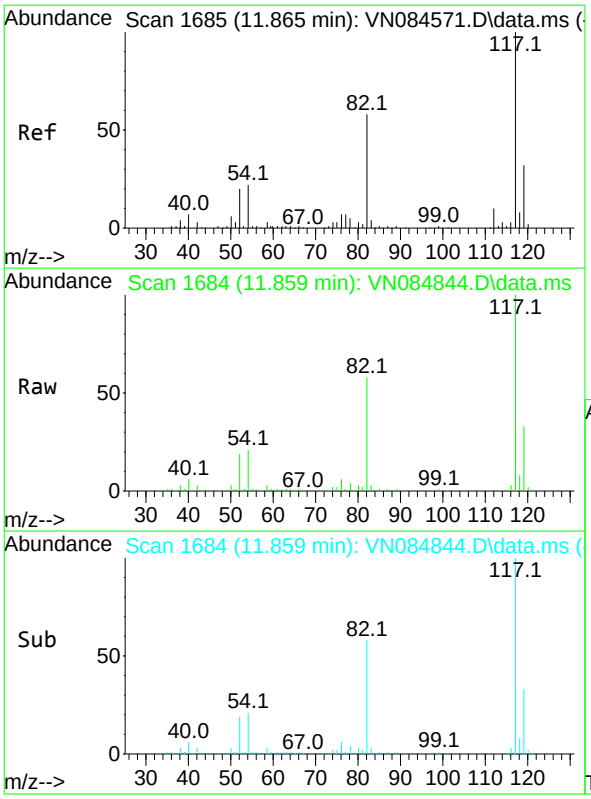


#62
4-Bromofluorobenzene
Concen: 46.995 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion: 95 Resp: 149177

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.2
176	69.9	0.0	140.0



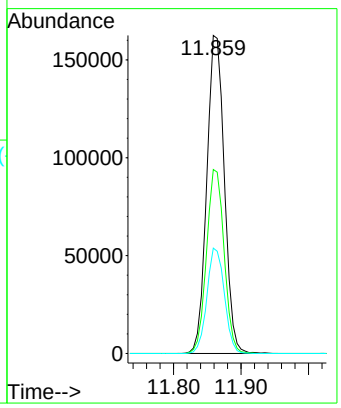


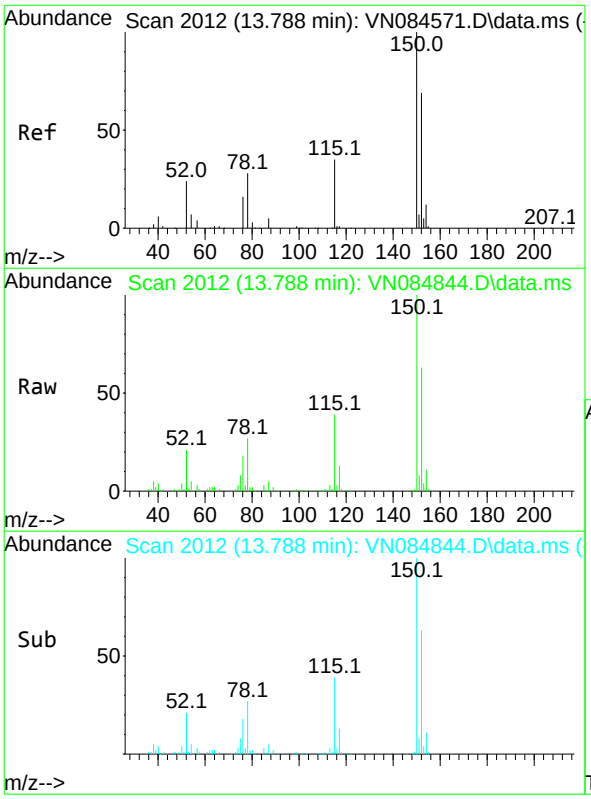
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Tgt Ion:117 Resp: 293869

Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.2	70.8
119	33.1	25.4	38.0

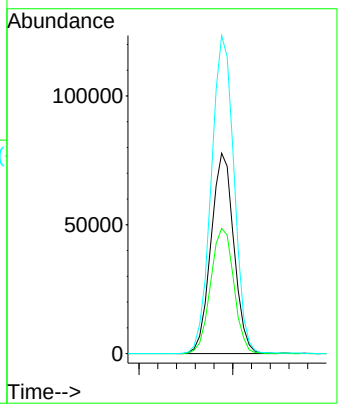




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion:152 Resp: 131669

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.3	93.9
150	158.2	0.0	349.8



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBL01	SDG No.:	P4770
Lab Sample ID:	VN1119WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084937.D	1		11/19/24 11:07	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBL01	SDG No.:	P4770
Lab Sample ID:	VN1119WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084937.D	1		11/19/24 11:07	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	46.5		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	8.218			
540-36-3	1,4-Difluorobenzene	347000	9.1			
3114-55-4	Chlorobenzene-d5	301000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.788			

Raw Data: **VN084937.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBL01	SDG No.:	P4770
Lab Sample ID:	VN1119WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084937.D	1		11/19/24 11:07	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084937.D
Acq On : 19 Nov 2024 11:07
Operator : JC\MD
Sample : VN1119WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Quant Time: Nov 20 00:22:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	193589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143523	51.330	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.660%			
35) Dibromofluoromethane	8.159	113	113721	48.436	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.880%			
50) Toluene-d8	10.565	98	402345	46.521	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.040%			
62) 4-Bromofluorobenzene	12.847	95	148211	45.853	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.700%			

Target Compounds Qvalue

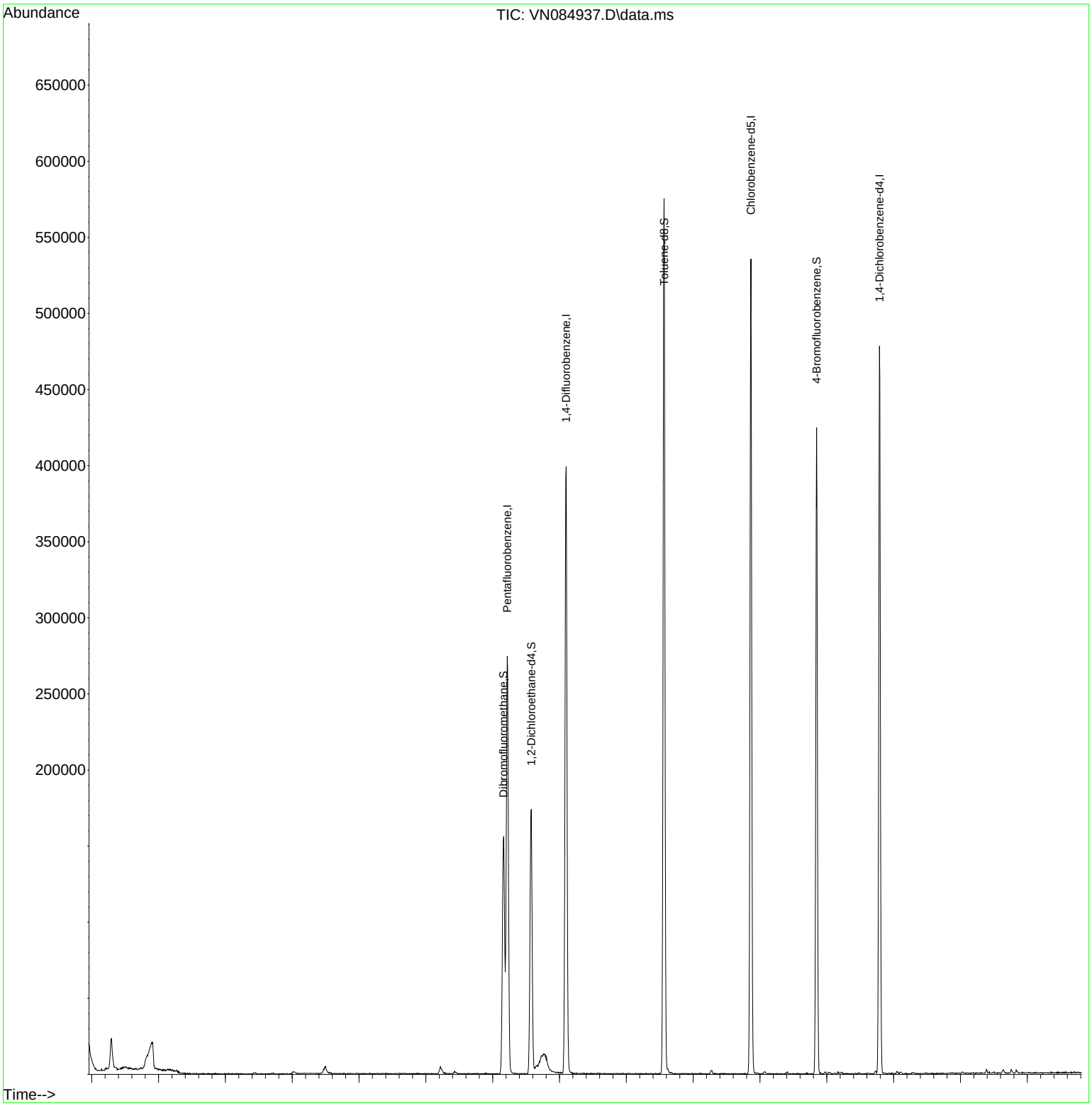
(#) = qualifier out of range (m) = manual integration (+) = signals summed

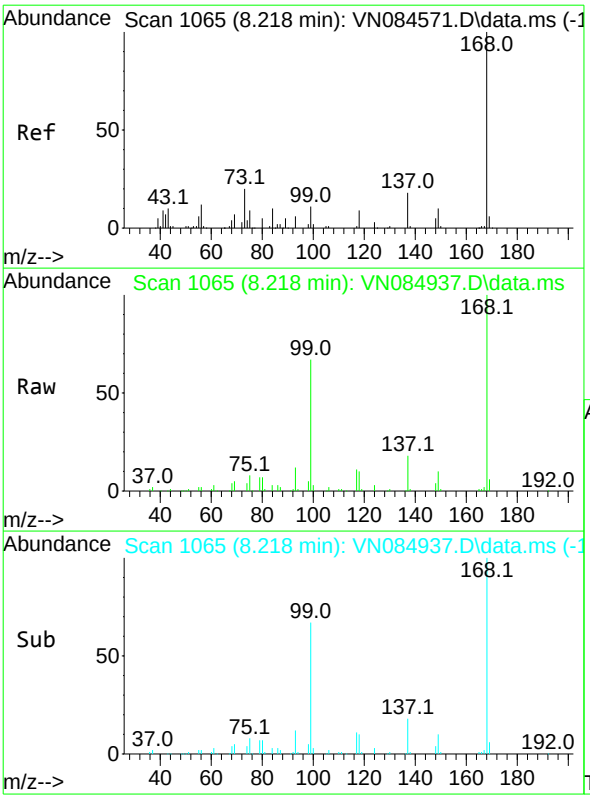
Sample Results: **VN084937.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084937.D
Acq On : 19 Nov 2024 11:07
Operator : JC\MD
Sample : VN1119WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Quant Time: Nov 20 00:22:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



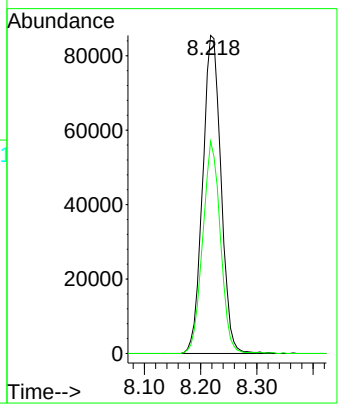


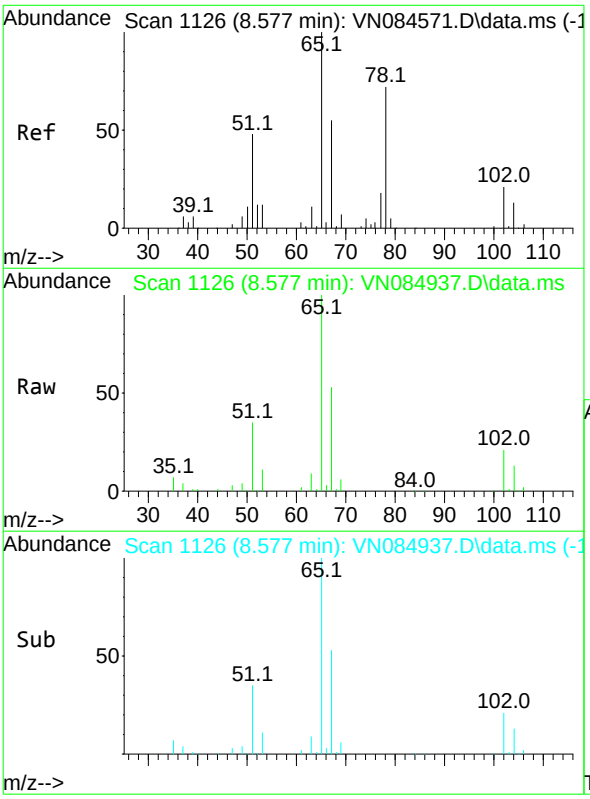
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Tgt Ion:168 Resp: 193589

Ion	Ratio	Lower	Upper
168	100		
99	66.7	54.2	81.2

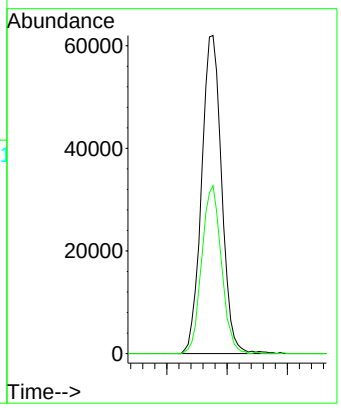


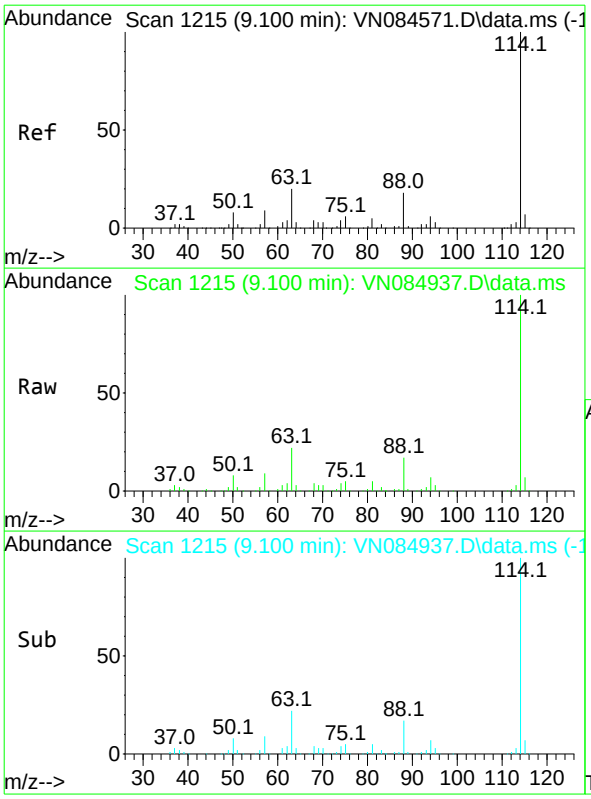


#33
1,2-Dichloroethane-d4
Concen: 51.330 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion: 65 Resp: 143523

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0



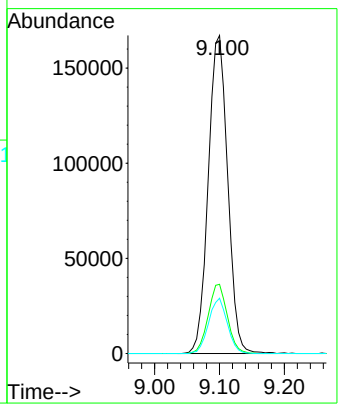


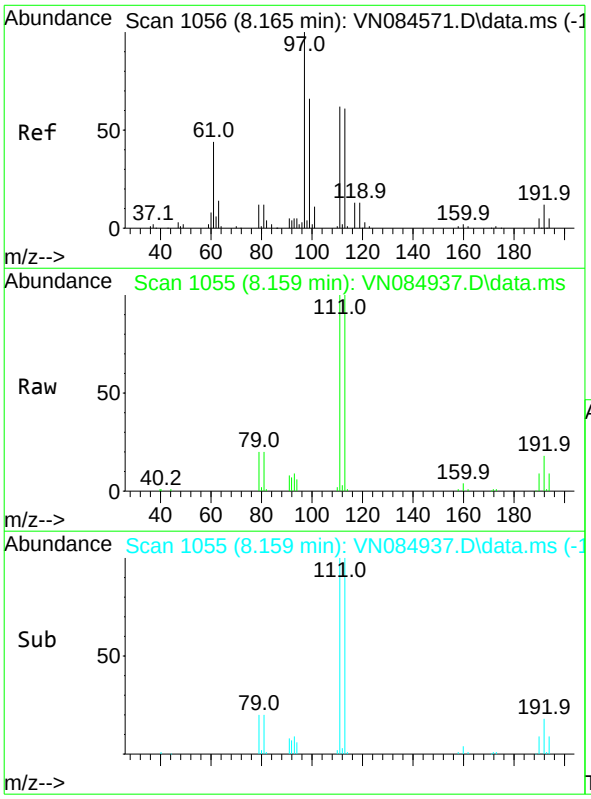
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Tgt Ion:114 Resp: 346862

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	17.4	0.0	31.6

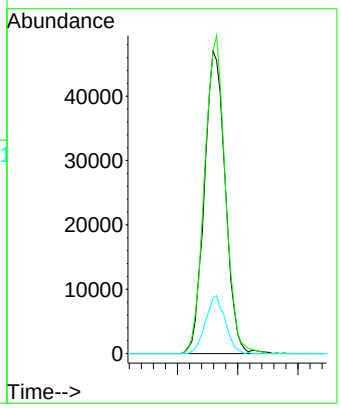


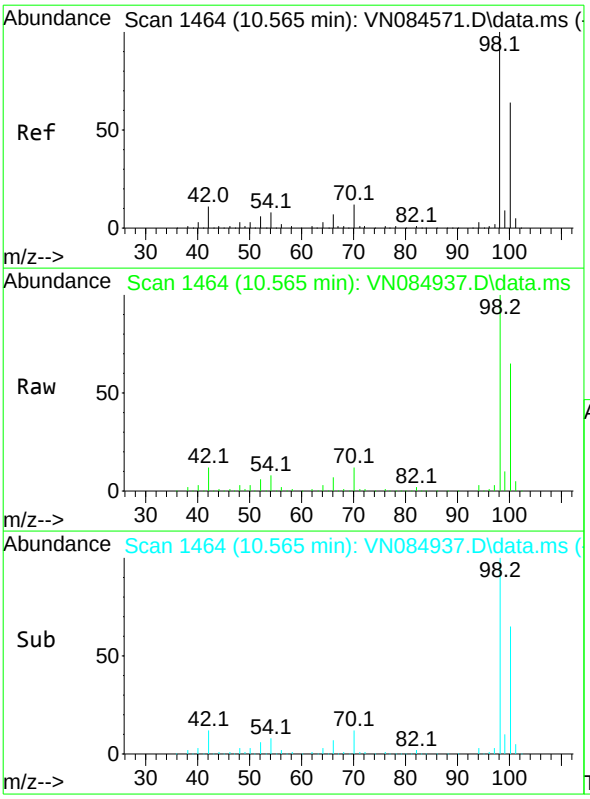


#35
Dibromofluoromethane
Concen: 48.436 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion:113 Resp: 113721

Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.3	124.9
192	18.0	13.5	20.3



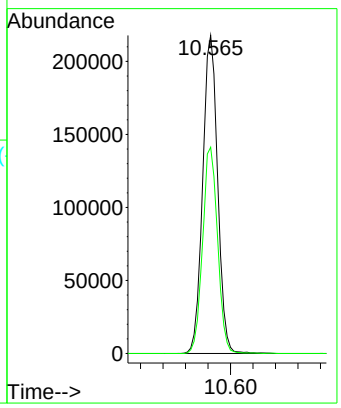


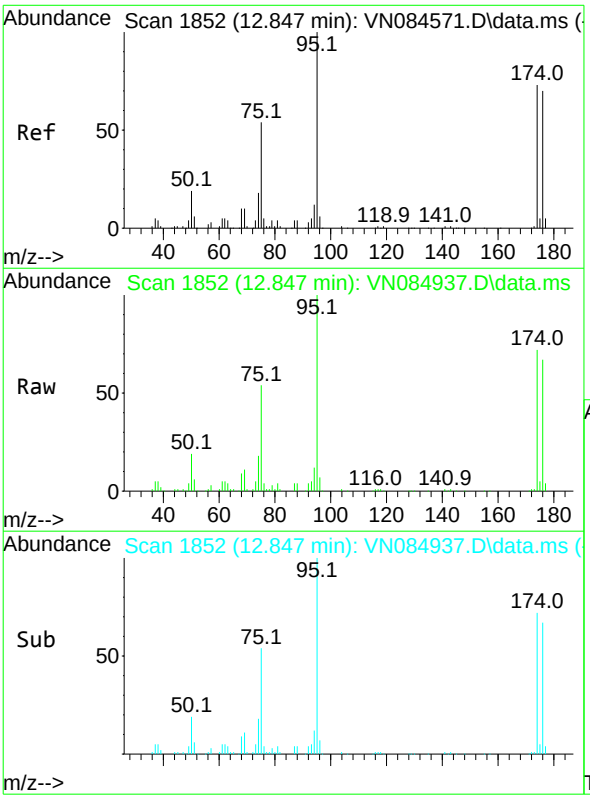
#50
Toluene-d8
Concen: 46.521 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Tgt Ion: 98 Resp: 402345

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

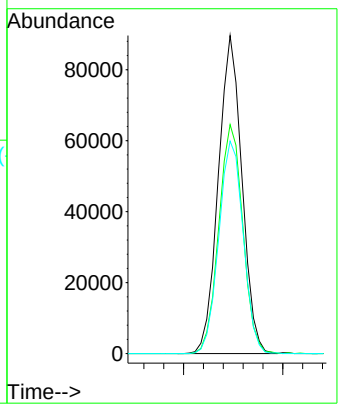


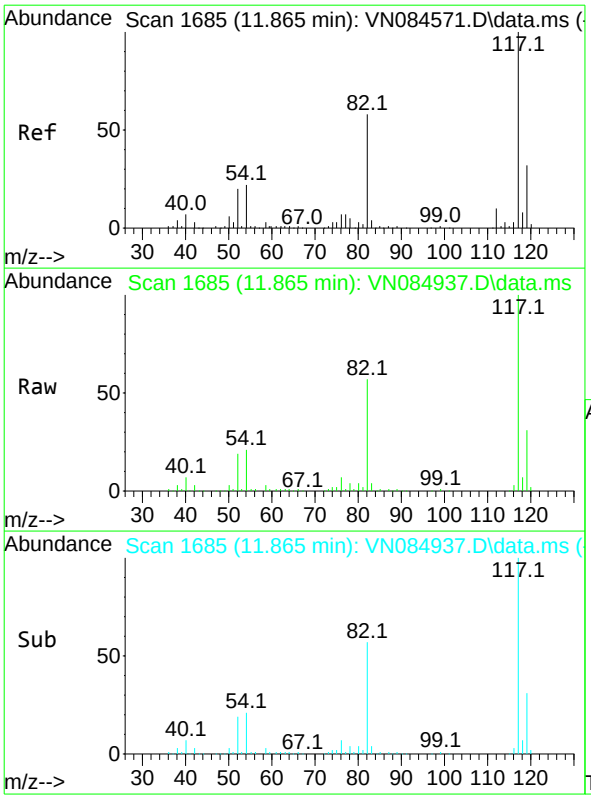


#62
4-Bromofluorobenzene
Concen: 45.853 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion: 95 Resp: 148211

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	145.2
176	68.9	0.0	140.0



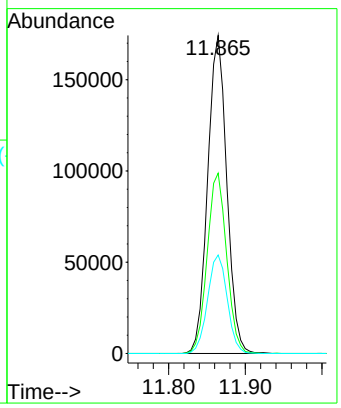


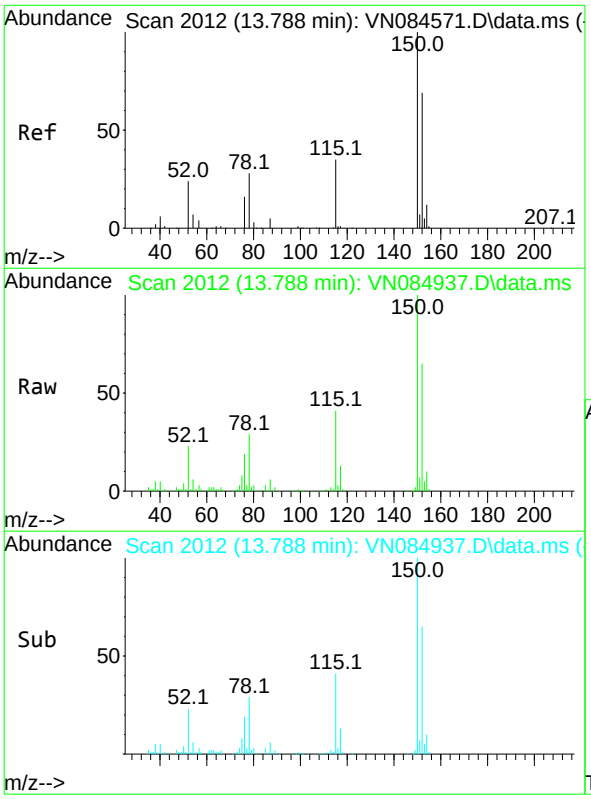
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Tgt Ion:117 Resp: 301411

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.2	70.8
119	31.0	25.4	38.0

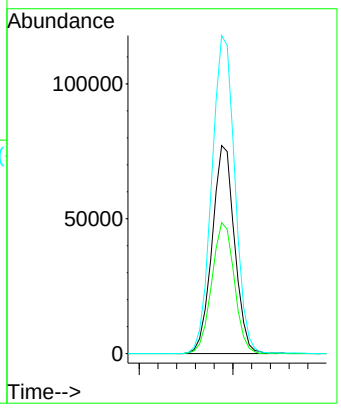




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion:152 Resp: 128229

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.3	93.9
150	157.2	0.0	349.8



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4770
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4770
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	46.1		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	8.218			
540-36-3	1,4-Difluorobenzene	319000	9.1			
3114-55-4	Chlorobenzene-d5	278000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.794			

Raw Data: **VN084962.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4770
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Time: Nov 21 00:34:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

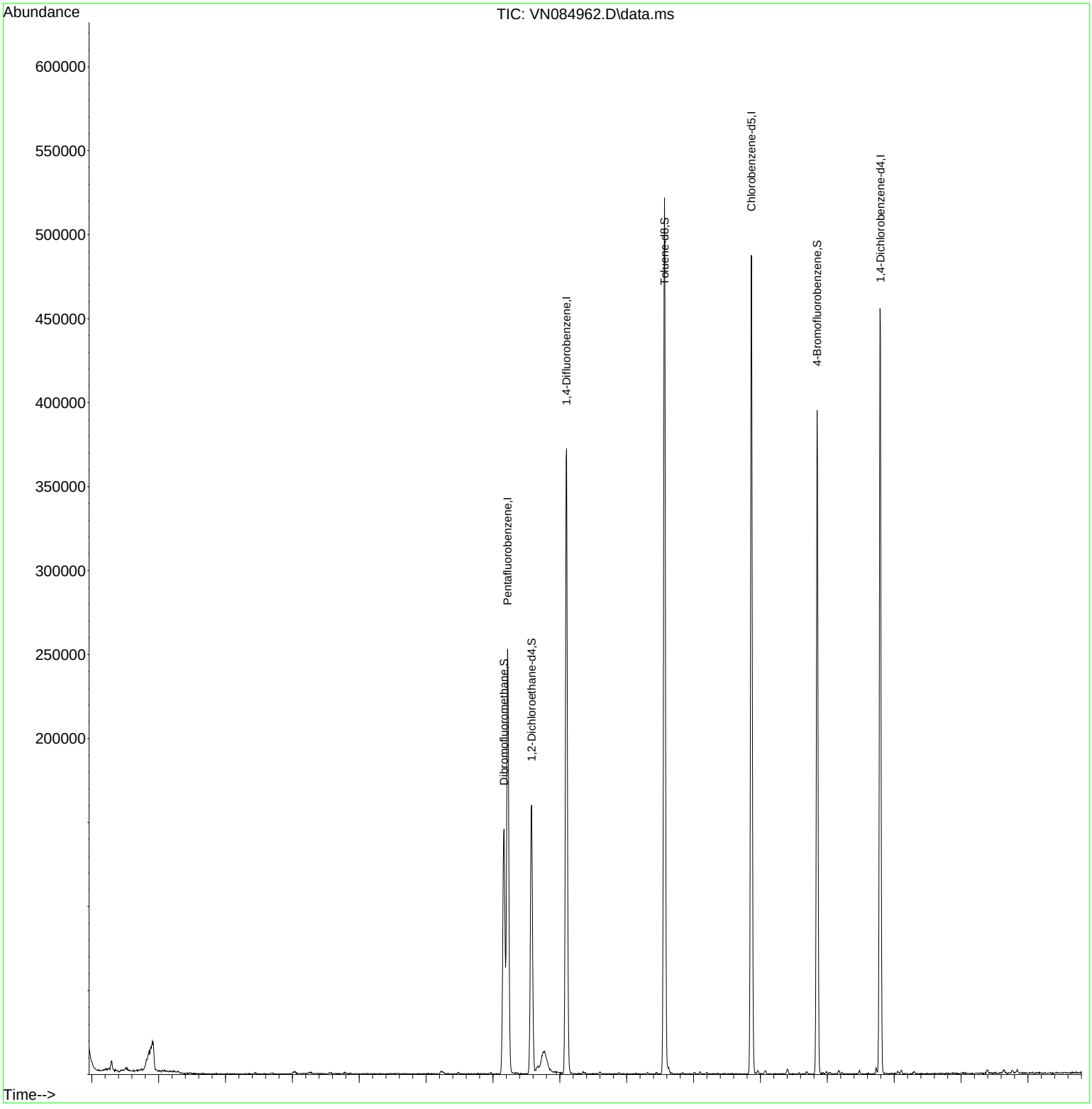
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	178908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131967	51.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.140%			
35) Dibromofluoromethane	8.165	113	107113	49.531	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	10.565	98	366987	46.068	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.140%			
62) 4-Bromofluorobenzene	12.847	95	138133	46.397	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.800%			
Target Compounds						Qvalue

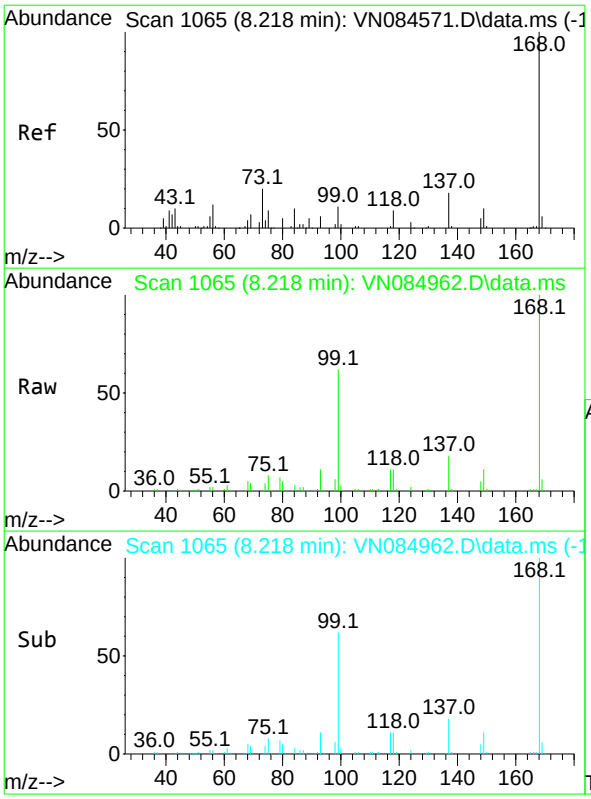
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Time: Nov 21 00:34:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



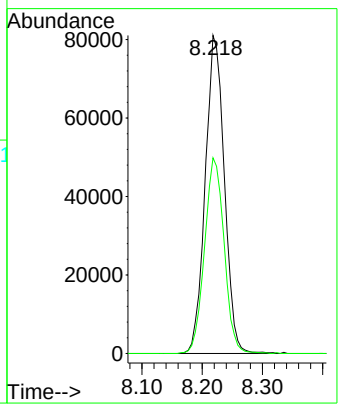


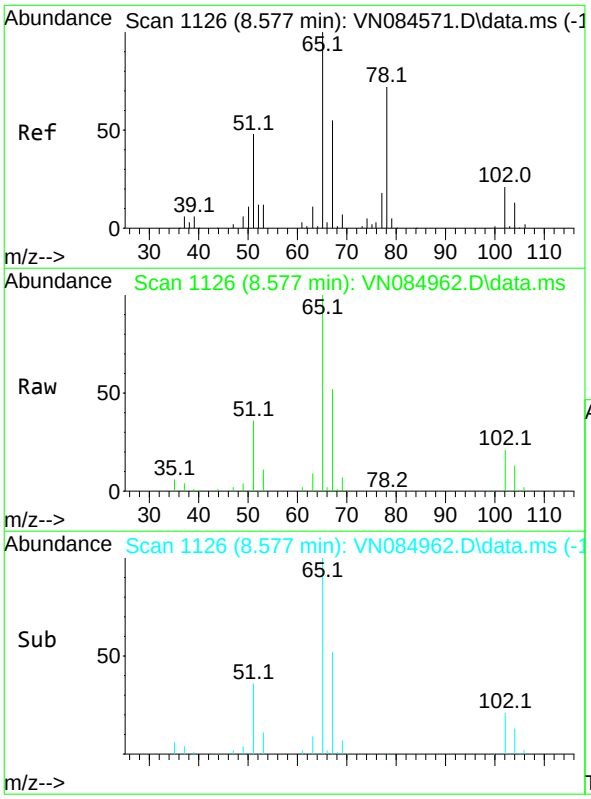
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:168 Resp: 178908

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2

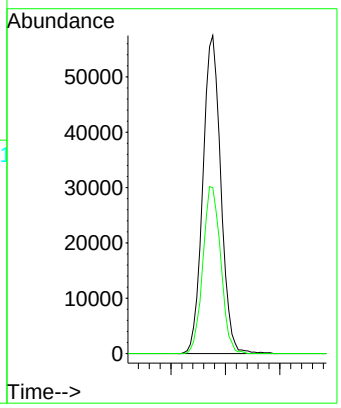


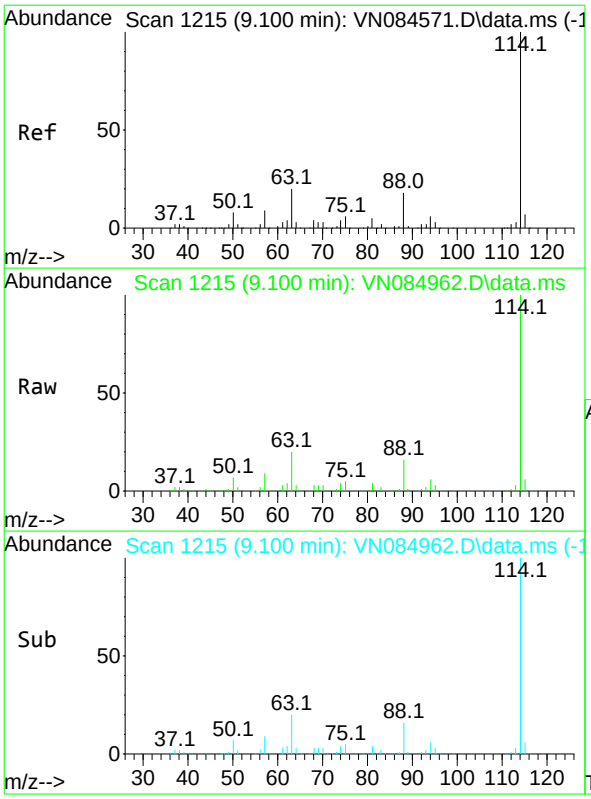


#33
1,2-Dichloroethane-d4
Concen: 51.070 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 65 Resp: 131967

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



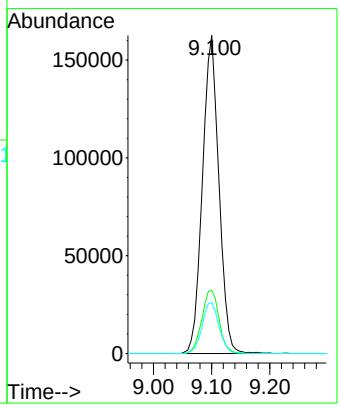


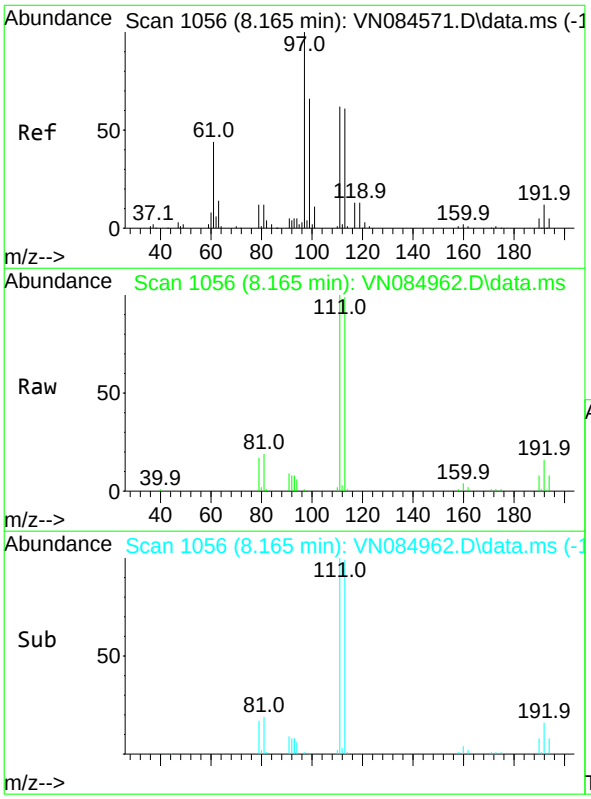
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:114 Resp: 319489

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.8
88	16.0	0.0	31.6

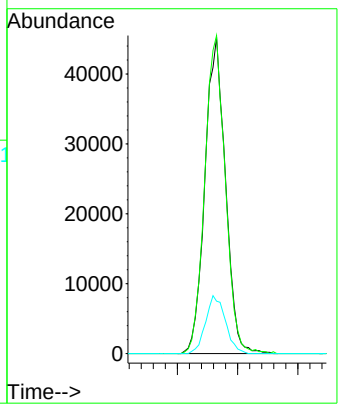


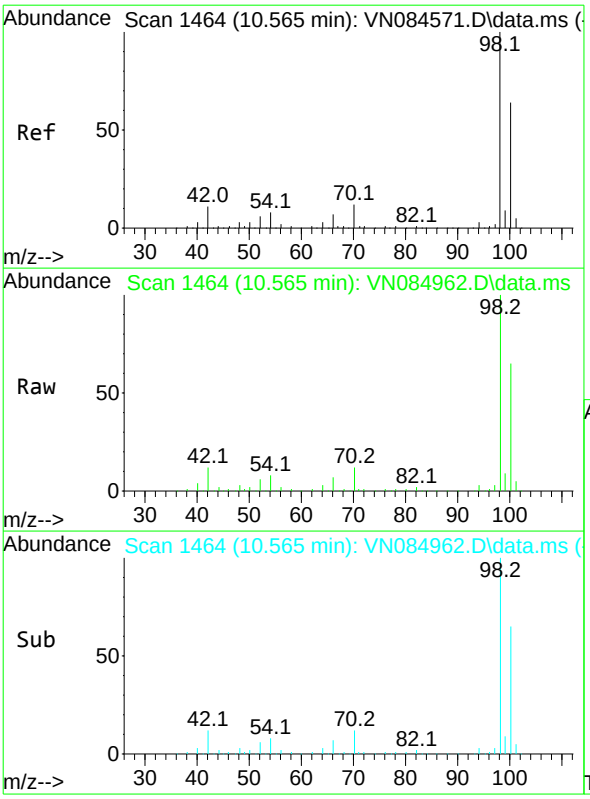


#35
Dibromofluoromethane
Concen: 49.531 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:113 Resp: 107113

Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.3	124.9
192	17.7	13.5	20.3



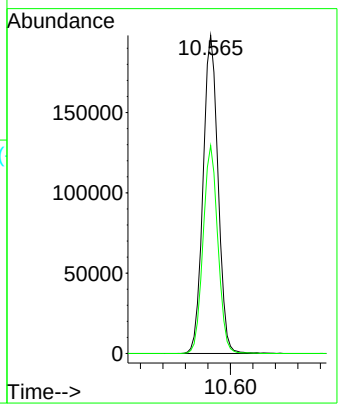


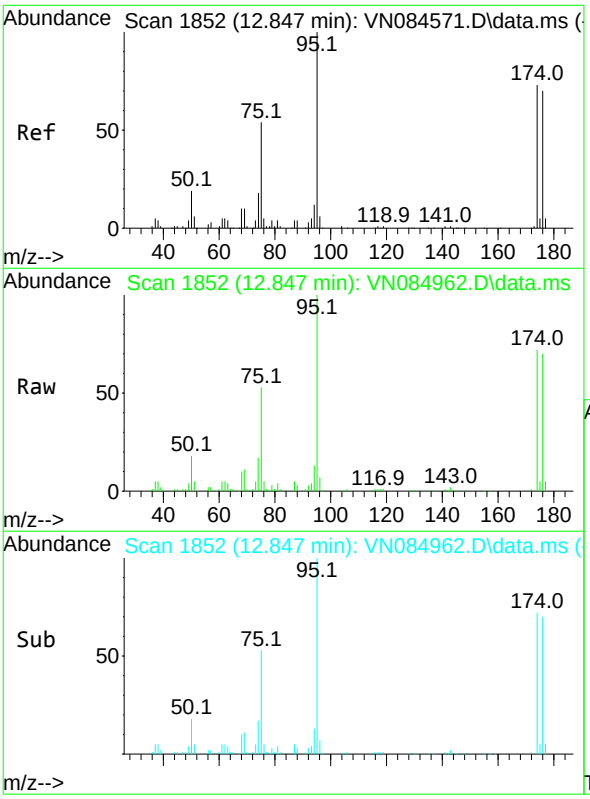
#50
Toluene-d8
Concen: 46.068 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion: 98 Resp: 366987

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.7	79.1

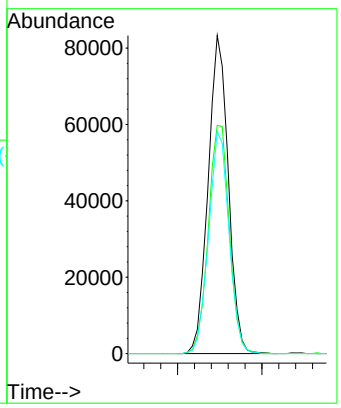


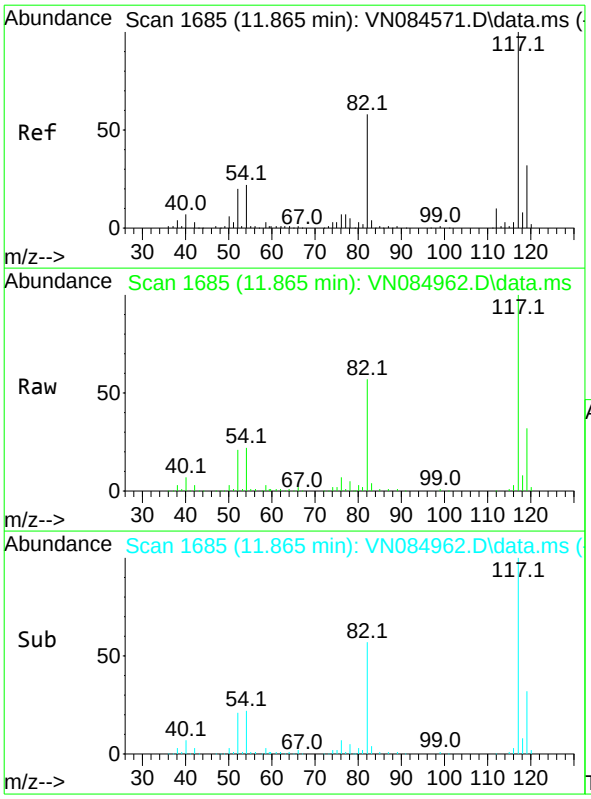


#62
4-Bromofluorobenzene
Concen: 46.397 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 95 Resp: 138133

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	145.2
176	70.5	0.0	140.0



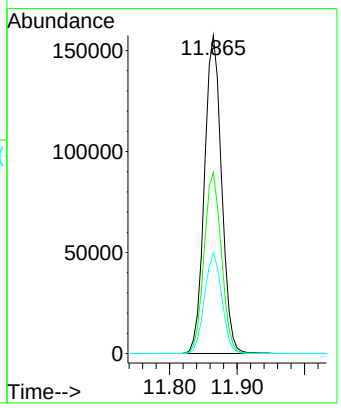


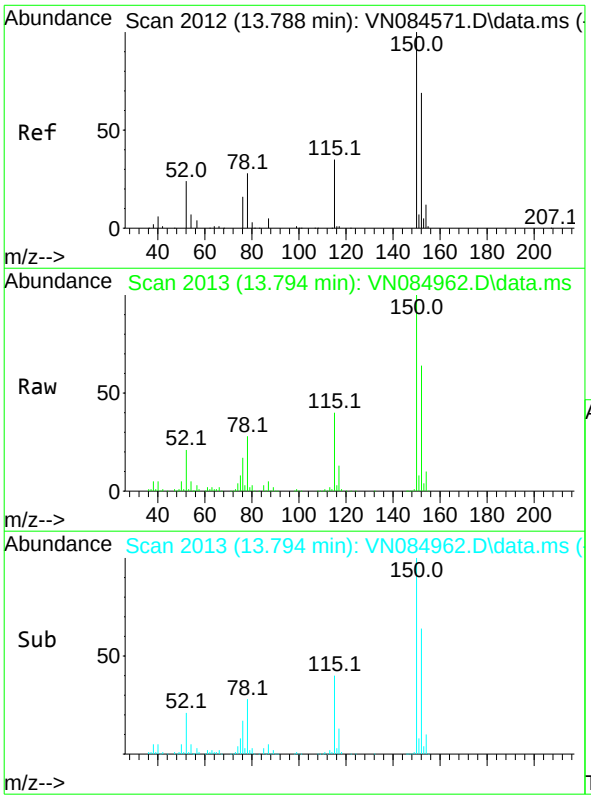
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:117 Resp: 277659

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.2	70.8
119	31.7	25.4	38.0

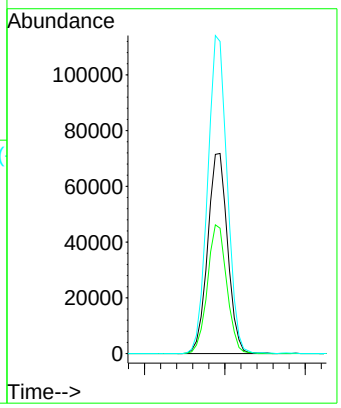




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:152 Resp: 123641

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	155.7	0.0	349.8



Raw Data: **VN084822.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4770
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.7		0.21	1.00	ug/L
74-87-3	Chloromethane	15.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	20.1		0.34	1.00	ug/L
74-83-9	Bromomethane	19.6		1.40	5.00	ug/L
75-00-3	Chloroethane	20.9		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	88.1		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
67-64-1	Acetone	89.8		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	15.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	13.3		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.5		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.5		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.60	5.00	ug/L
78-93-3	2-Butanone	91.6		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.3		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.18	1.00	ug/L
67-66-3	Chloroform	18.9		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.8		0.19	1.00	ug/L
71-43-2	Benzene	18.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.0		0.75	5.00	ug/L

Raw Data: **VN084822.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4770
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	20.0		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.2		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	99.3		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.6		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.9		0.31	2.00	ug/L
95-47-6	o-Xylene	20.9		0.14	1.00	ug/L
100-42-5	Styrene	19.8		0.16	1.00	ug/L
75-25-2	Bromoform	19.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.1		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.9		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.2		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.1		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.7		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	8.224			
540-36-3	1,4-Difluorobenzene	311000	9.1			
3114-55-4	Chlorobenzene-d5	273000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.788			

Raw Data: **VN084822.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4770
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084822.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	193540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141208	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	129753	46.417	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.840%			
35) Dibromofluoromethane	8.159	113	105080	49.889	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.780%			
50) Toluene-d8	10.565	98	381724	49.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	12.847	95	148571	51.237	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	39364	17.693	ug/l	95
3) Chloromethane	2.359	50	43828	15.025	ug/l	91
4) Vinyl Chloride	2.512	62	48169	20.129	ug/l	98
5) Bromomethane	2.900	94	24860	19.607	ug/l	93
6) Chloroethane	3.077	64	32217	20.939	ug/l	98
7) Trichlorofluoromethane	3.471	101	72161	18.306	ug/l	95
8) Diethyl Ether	3.959	74	24999	17.978	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	40961	18.389	ug/l	97
10) Methyl Iodide	4.577	142	57021	19.154	ug/l	96
11) Tert butyl alcohol	5.536	59	32498	88.075	ug/l	98
12) 1,1-Dichloroethene	4.324	96	38523	17.479	ug/l	95
13) Acrolein	4.177	56	24726	67.202	ug/l	97
14) Allyl chloride	5.006	41	60587	16.950	ug/l	95
15) Acrylonitrile	5.712	53	93960	87.962	ug/l	99
16) Acetone	4.424	43	73980	89.791	ug/l	97
17) Carbon Disulfide	4.700	76	105663	15.568	ug/l	99
18) Methyl Acetate	5.018	43	47918	13.317	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	126925	18.789	ug/l	98
20) Methylene Chloride	5.265	84	43005	17.492	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	39652	17.521	ug/l	93
22) Diisopropyl ether	6.665	45	128933	18.154	ug/l	97
23) Vinyl Acetate	6.594	43	446876	91.240	ug/l	97
24) 1,1-Dichloroethane	6.559	63	76582	17.960	ug/l	98
25) 2-Butanone	7.482	43	119443	91.588	ug/l	98
26) 2,2-Dichloropropane	7.482	77	70733	19.059	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	48386	18.310	ug/l	95
28) Bromochloromethane	7.806	49	35458	20.872	ug/l	91
29) Tetrahydrofuran	7.835	42	75701	87.497	ug/l	93
30) Chloroform	7.959	83	82200	18.940	ug/l	97
31) Cyclohexane	8.253	56	69909	18.114	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	74581	18.880	ug/l	93
36) 1,1-Dichloropropene	8.365	75	54366	18.611	ug/l	99
37) Ethyl Acetate	7.553	43	48588	18.333	ug/l	96
38) Carbon Tetrachloride	8.359	117	65648	20.106	ug/l	98
39) Methylcyclohexane	9.594	83	58774	19.778	ug/l	96
40) Benzene	8.600	78	173125	18.455	ug/l	100

Sample Results: **VN084822.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	27711	19.443 ug/l		95
42) 1,2-Dichloroethane	8.665	62	57874	19.049 ug/l		97
43) Isopropyl Acetate	8.688	43	89635	17.683 ug/l		98
44) Trichloroethene	9.347	130	41511	19.187 ug/l		100
45) 1,2-Dichloropropane	9.618	63	42580	19.349 ug/l		98
46) Dibromomethane	9.706	93	30054	19.354 ug/l		97
47) Bromodichloromethane	9.888	83	63262	19.327 ug/l		98
48) Methyl methacrylate	9.676	41	39540	19.169 ug/l		96
49) 1,4-Dioxane	9.694	88	14415	394.372 ug/l	#	81
51) 4-Methyl-2-Pentanone	10.441	43	247640	98.015 ug/l		98
52) Toluene	10.623	92	109501	19.958 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	61529	18.160 ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	68866	19.204 ug/l		93
55) 1,1,2-Trichloroethane	11.012	97	40197	19.450 ug/l		96
56) Ethyl methacrylate	10.870	69	61538	20.585 ug/l		95
57) 1,3-Dichloropropane	11.159	76	67289	18.971 ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	134289	96.000 ug/l		96
59) 2-Hexanone	11.194	43	182633	99.309 ug/l		96
60) Dibromochloromethane	11.359	129	46127	19.583 ug/l		96
61) 1,2-Dibromoethane	11.465	107	40349	19.065 ug/l		100
64) Tetrachloroethene	11.100	164	37374	20.563 ug/l		94
65) Chlorobenzene	11.888	112	115499	18.894 ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	41953	19.730 ug/l		98
67) Ethyl Benzene	11.959	91	201230	19.721 ug/l		98
68) m/p-Xylenes	12.070	106	154238	39.926 ug/l		99
69) o-Xylene	12.394	106	75575	20.913 ug/l		97
70) Styrene	12.412	104	125083	19.841 ug/l		99
71) Bromoform	12.576	173	31240	19.525 ug/l	#	98
73) Isopropylbenzene	12.694	105	189264	19.126 ug/l		100
74) N-amyl acetate	12.494	43	75052	17.820 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	57951	17.545 ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	52213m	18.498 ug/l		
77) Bromobenzene	12.976	156	47085	17.700 ug/l		94
78) n-propylbenzene	13.035	91	218271	18.823 ug/l		98
79) 2-Chlorotoluene	13.123	91	142466	18.803 ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	165135	20.135 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	19701	16.558 ug/l		88
82) 4-Chlorotoluene	13.217	91	139683	17.518 ug/l		99
83) tert-Butylbenzene	13.435	119	137464	20.252 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	168056	19.853 ug/l		99
85) sec-Butylbenzene	13.611	105	186571	19.458 ug/l		99
86) p-Isopropyltoluene	13.729	119	159085	20.231 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	87544	16.863 ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	91273	18.459 ug/l		95
89) n-Butylbenzene	14.053	91	133782	18.188 ug/l		99
90) Hexachloroethane	14.329	117	30179	17.209 ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	88621	17.764 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.711	75	10832	16.188 ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	43935	16.090 ug/l		99
94) Hexachlorobutadiene	15.500	225	20801	17.347 ug/l		98
95) Naphthalene	15.635	128	134429	16.447 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	41536	15.670 ug/l		98

Sample Results: **VN084822.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084822.D**

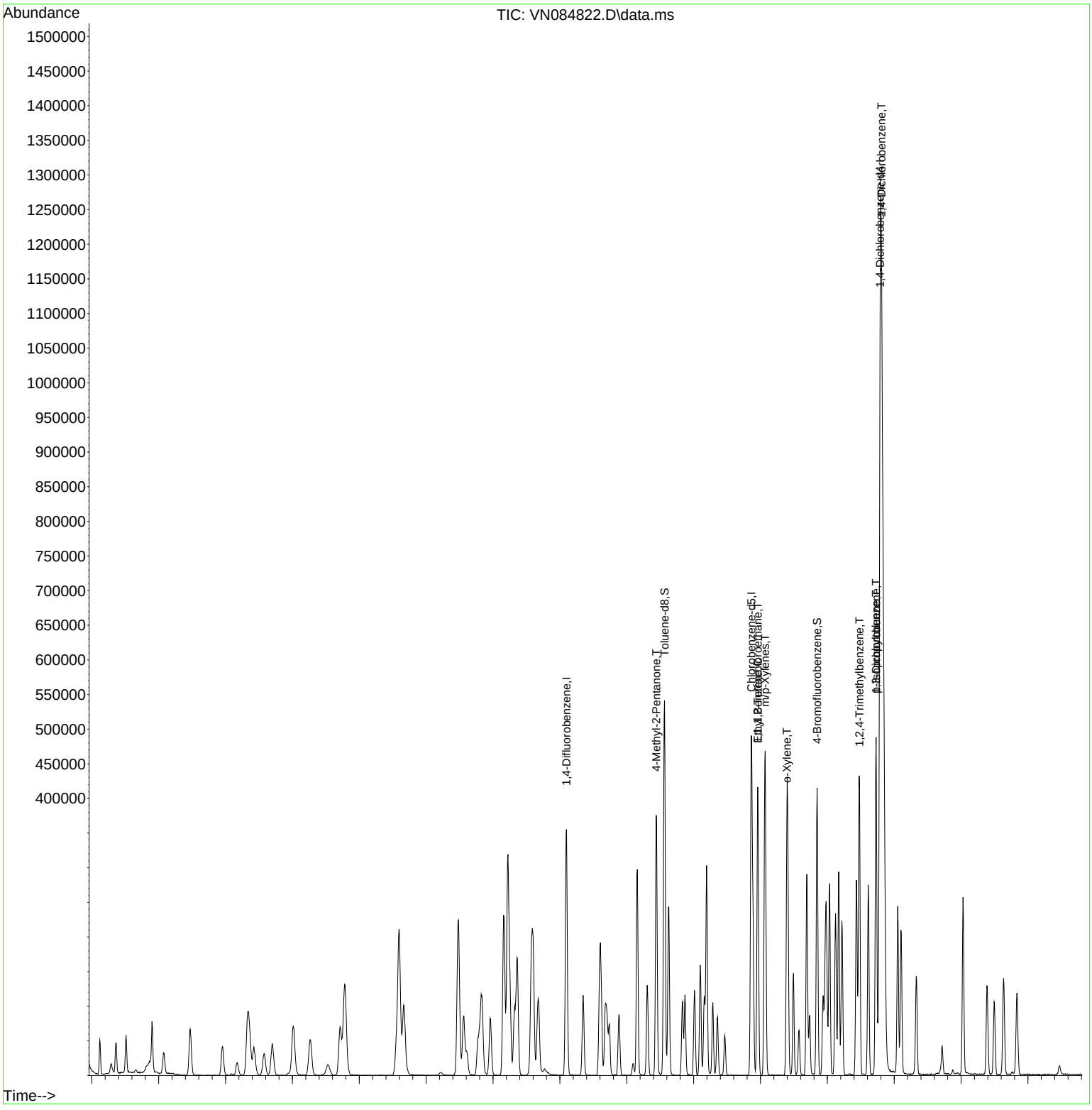
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024



Raw Data: **VN084846.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBS02	SDG No.:	P4770
Lab Sample ID:	VN1114WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084846.D	1		11/14/24 12:50	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		0.21	1.00	ug/L
74-87-3	Chloromethane	16.3		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.6		0.34	1.00	ug/L
74-83-9	Bromomethane	20.5		1.40	5.00	ug/L
75-00-3	Chloroethane	21.5		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.9		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	97.9		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.26	1.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.3		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	15.1		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.1		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.1		1.60	5.00	ug/L
78-93-3	2-Butanone	98.4		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	22.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.5		0.18	1.00	ug/L
67-66-3	Chloroform	20.2		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.6		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	22.5		0.19	1.00	ug/L
71-43-2	Benzene	20.6		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.24	1.00	ug/L
79-01-6	Trichloroethene	21.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.0		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.5		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBS02	SDG No.:	P4770
Lab Sample ID:	VN1114WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084846.D	1		11/14/24 12:50	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	21.6		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.9		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	21.1		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.4		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	43.2		0.31	2.00	ug/L
95-47-6	o-Xylene	22.6		0.14	1.00	ug/L
100-42-5	Styrene	22.0		0.16	1.00	ug/L
75-25-2	Bromoform	20.9		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	21.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.3		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.3		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.6		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.6		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	8.218			
540-36-3	1,4-Difluorobenzene	270000	9.094			
3114-55-4	Chlorobenzene-d5	235000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.788			

Raw Data: **VN084846.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBS02	SDG No.:	P4770
Lab Sample ID:	VN1114WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084846.D	1		11/14/24 12:50	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084846.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084846.D
Acq On : 14 Nov 2024 12:50
Operator : JC\MD
Sample : VN1114WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 00:44:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	169550	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	270058	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	234639	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118912	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	114124	46.603	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.200%				
35) Dibromofluoromethane	8.159	113	92823	50.779	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.560%				
50) Toluene-d8	10.565	98	330275	49.049	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.100%				
62) 4-Bromofluorobenzene	12.847	95	124800	49.591	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.180%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	37847	19.418	ug/l		88
3) Chloromethane	2.359	50	41236	16.333	ug/l		99
4) Vinyl Chloride	2.512	62	45362	21.638	ug/l		99
5) Bromomethane	2.901	94	22816	20.541	ug/l		93
6) Chloroethane	3.083	64	28977	21.536	ug/l	#	88
7) Trichlorofluoromethane	3.477	101	68652	19.880	ug/l		98
8) Diethyl Ether	3.959	74	24825	20.379	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.353	101	40451	20.730	ug/l		98
10) Methyl Iodide	4.577	142	54005	20.708	ug/l		90
11) Tert butyl alcohol	5.542	59	31647	97.904	ug/l		95
12) 1,1-Dichloroethene	4.330	96	36223	18.760	ug/l		99
13) Acrolein	4.171	56	31282	97.050	ug/l		97
14) Allyl chloride	5.012	41	55310	17.664	ug/l		97
15) Acrylonitrile	5.718	53	88439	94.508	ug/l		100
16) Acetone	4.424	43	73518	102.243	ug/l		98
17) Carbon Disulfide	4.700	76	102779	17.285	ug/l		97
18) Methyl Acetate	5.012	43	46160	15.075	ug/l		97
19) Methyl tert-butyl Ether	5.789	73	120830	20.417	ug/l		99
20) Methylene Chloride	5.271	84	41116	19.090	ug/l		85
21) trans-1,2-Dichloroethene	5.783	96	37615	18.972	ug/l		95
22) Diisopropyl ether	6.665	45	126019	20.254	ug/l		98
23) Vinyl Acetate	6.594	43	429740	100.156	ug/l		96
24) 1,1-Dichloroethane	6.559	63	75613	20.242	ug/l		97
25) 2-Butanone	7.477	43	112446	98.423	ug/l		99
26) 2,2-Dichloropropane	7.477	77	68163	20.965	ug/l		96
27) cis-1,2-Dichloroethene	7.477	96	46070	19.901	ug/l		97
28) Bromochloromethane	7.806	49	30543	20.523	ug/l		90
29) Tetrahydrofuran	7.836	42	71469	94.294	ug/l		93
30) Chloroform	7.959	83	76934	20.235	ug/l		98
31) Cyclohexane	8.253	56	64564	19.097	ug/l		91
32) 1,1,1-Trichloroethane	8.159	97	71181	20.569	ug/l		97
36) 1,1-Dichloropropene	8.365	75	52698	20.787	ug/l		99
37) Ethyl Acetate	7.559	43	47211	20.525	ug/l		100
38) Carbon Tetrachloride	8.359	117	62964	22.220	ug/l		93
39) Methylcyclohexane	9.600	83	58004	22.490	ug/l		98
40) Benzene	8.600	78	167429	20.565	ug/l		97

Sample Results: **VN084846.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084846.D
Acq On : 14 Nov 2024 12:50
Operator : JC\MD
Sample : VN1114WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 00:44:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	28000	22.637 ug/l		96
42) 1,2-Dichloroethane	8.665	62	54596	20.706 ug/l		97
43) Isopropyl Acetate	8.683	43	84927	19.395 ug/l		98
44) Trichloroethene	9.347	130	39866	21.232 ug/l		98
45) 1,2-Dichloropropane	9.612	63	40081	20.986 ug/l		98
46) Dibromomethane	9.706	93	27289	20.249 ug/l		93
47) Bromodichloromethane	9.882	83	58232	20.499 ug/l	#	93
48) Methyl methacrylate	9.682	41	36343	20.302 ug/l		95
49) 1,4-Dioxane	9.694	88	13692	431.621 ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	229499	104.664 ug/l		96
52) Toluene	10.629	92	102629	21.553 ug/l		99
53) t-1,3-Dichloropropene	10.829	75	60180	20.466 ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	65098	20.917 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	38706	21.580 ug/l		97
56) Ethyl methacrylate	10.871	69	57910	22.321 ug/l		93
57) 1,3-Dichloropropane	11.159	76	66297	21.537 ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	128541	105.881 ug/l		94
59) 2-Hexanone	11.194	43	172000	107.766 ug/l		97
60) Dibromochloromethane	11.353	129	44196	21.620 ug/l		98
61) 1,2-Dibromoethane	11.465	107	38793	21.120 ug/l		97
64) Tetrachloroethene	11.100	164	34670	22.214 ug/l		97
65) Chlorobenzene	11.888	112	110830	21.113 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	39460	21.612 ug/l		99
67) Ethyl Benzene	11.959	91	187829	21.436 ug/l		96
68) m/p-Xylenes	12.071	106	143326	43.206 ug/l		97
69) o-Xylene	12.394	106	69983	22.552 ug/l		99
70) Styrene	12.406	104	118961	21.975 ug/l		100
71) Bromoform	12.576	173	28661	20.861 ug/l	#	96
73) Isopropylbenzene	12.694	105	177802	21.337 ug/l		100
74) N-amyl acetate	12.494	43	68496	19.313 ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.935	83	53689	19.302 ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	50712m	21.335 ug/l		
77) Bromobenzene	12.976	156	45069	20.118 ug/l		93
78) n-propylbenzene	13.029	91	207174	21.216 ug/l		99
79) 2-Chlorotoluene	13.123	91	132760	20.807 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	155554	22.523 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18639	18.603 ug/l		98
82) 4-Chlorotoluene	13.218	91	136736	20.363 ug/l		99
83) tert-Butylbenzene	13.435	119	128384	22.460 ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	157459	22.089 ug/l		98
85) sec-Butylbenzene	13.612	105	176072	21.807 ug/l		100
86) p-Isopropyltoluene	13.723	119	150327	22.702 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	83871	19.184 ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	84098	20.288 ug/l		100
89) n-Butylbenzene	14.053	91	126655	20.447 ug/l		98
90) Hexachloroethane	14.329	117	27627	18.708 ug/l		94
91) 1,2-Dichlorobenzene	14.106	146	81067	19.297 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	10170	18.048 ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	42976	18.690 ug/l		99
94) Hexachlorobutadiene	15.500	225	20149	19.954 ug/l		99
95) Naphthalene	15.635	128	124633	18.108 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	41610	18.641 ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084846.D
Acq On : 14 Nov 2024 12:50
Operator : JC\MD
Sample : VN1114WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 00:44:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084846.D**

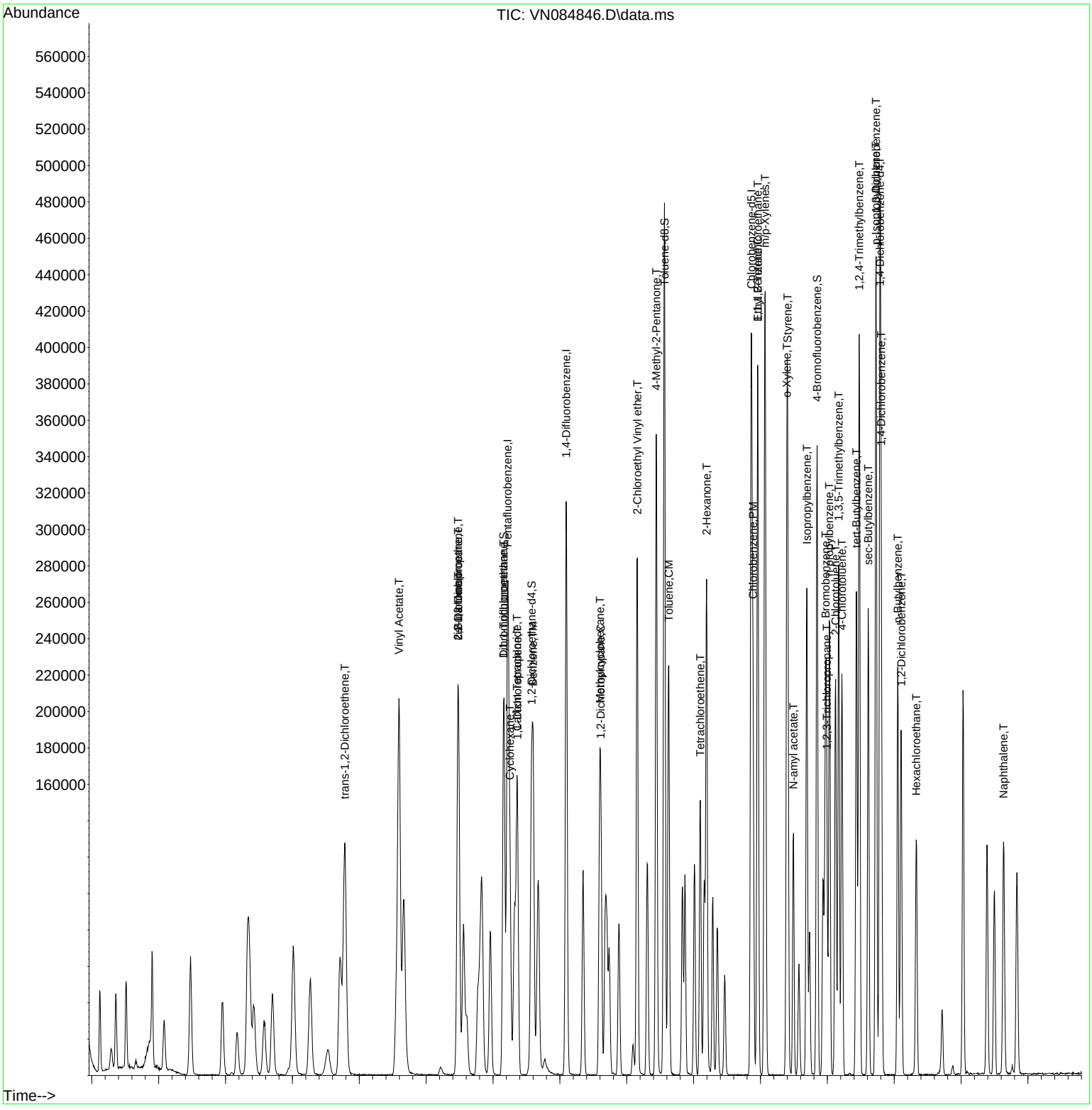
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084846.D
Acq On : 14 Nov 2024 12:50
Operator : JC\MD
Sample : VN1114WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 00:44:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBS01	SDG No.:	P4770
Lab Sample ID:	VN1119WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084938.D	1		11/19/24 11:40	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.8		0.21	1.00	ug/L
74-87-3	Chloromethane	16.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	19.4		0.34	1.00	ug/L
74-83-9	Bromomethane	18.8		1.40	5.00	ug/L
75-00-3	Chloroethane	19.9		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	120		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.26	1.00	ug/L
67-64-1	Acetone	120		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.3		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.6		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.3		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.1		1.60	5.00	ug/L
78-93-3	2-Butanone	120		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.25	1.00	ug/L
74-97-5	Bromochloromethane	23.3		0.18	1.00	ug/L
67-66-3	Chloroform	20.7		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.6		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.5		0.19	1.00	ug/L
71-43-2	Benzene	19.3		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.1		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.1		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L

Raw Data: **VN084938.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBS01	SDG No.:	P4770
Lab Sample ID:	VN1119WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084938.D	1		11/19/24 11:40	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	20.6		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	20.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.9		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	40.1		0.31	2.00	ug/L
95-47-6	o-Xylene	20.6		0.14	1.00	ug/L
100-42-5	Styrene	19.4		0.16	1.00	ug/L
75-25-2	Bromoform	20.3		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.7		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	14.8		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		70 (75) - 130 (124)	93%	SPK: 50
2037-26-5	Toluene-d8	45.6		70 (86) - 130 (113)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.218			
540-36-3	1,4-Difluorobenzene	287000	9.1			
3114-55-4	Chlorobenzene-d5	253000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

Raw Data: **VN084938.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBS01	SDG No.:	P4770
Lab Sample ID:	VN1119WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084938.D	1		11/19/24 11:40	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084938.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	167364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115474	47.770	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.540%			
35) Dibromofluoromethane	8.165	113	90242	46.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.960%			
50) Toluene-d8	10.565	98	325946	45.579	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.160%			
62) 4-Bromofluorobenzene	12.847	95	128829	48.202	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	36130	18.779	ug/l	98
3) Chloromethane	2.360	50	41727	16.810	ug/l	97
4) Vinyl Chloride	2.512	62	40114	19.385	ug/l	99
5) Bromomethane	2.901	94	20586	18.776	ug/l	98
6) Chloroethane	3.065	64	26614	19.938	ug/l	96
7) Trichlorofluoromethane	3.465	101	67356	19.759	ug/l	98
8) Diethyl Ether	3.954	74	25064	20.843	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.348	101	39960	20.746	ug/l	96
10) Methyl Iodide	4.571	142	51608	20.047	ug/l	99
11) Tert butyl alcohol	5.536	59	37827	118.551	ug/l	96
12) 1,1-Dichloroethene	4.324	96	36073	18.927	ug/l	93
13) Acrolein	4.171	56	39136	123.002	ug/l	96
14) Allyl chloride	5.012	41	60147	19.459	ug/l	94
15) Acrylonitrile	5.712	53	100056	108.319	ug/l	99
16) Acetone	4.430	43	81687	115.450	ug/l	99
17) Carbon Disulfide	4.695	76	95480	16.267	ug/l	98
18) Methyl Acetate	5.018	43	53894	18.624	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	122075	20.897	ug/l	98
20) Methylene Chloride	5.265	84	40989	19.279	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	37116	18.965	ug/l	90
22) Diisopropyl ether	6.665	45	130755	21.290	ug/l	97
23) Vinyl Acetate	6.595	43	447227	105.593	ug/l	99
24) 1,1-Dichloroethane	6.565	63	74117	20.100	ug/l #	96
25) 2-Butanone	7.483	43	131314	116.439	ug/l	96
26) 2,2-Dichloropropane	7.483	77	68443	21.326	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	44729	19.574	ug/l	98
28) Bromochloromethane	7.812	49	34242	23.308	ug/l	99
29) Tetrahydrofuran	7.836	42	79498	106.257	ug/l	94
30) Chloroform	7.959	83	77863	20.747	ug/l	99
31) Cyclohexane	8.253	56	63583	19.052	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	70342	20.592	ug/l	98
36) 1,1-Dichloropropene	8.365	75	51548	19.146	ug/l	98
37) Ethyl Acetate	7.559	43	51933	21.260	ug/l #	94
38) Carbon Tetrachloride	8.359	117	58554	19.457	ug/l	93
39) Methylcyclohexane	9.600	83	53483	19.526	ug/l	97
40) Benzene	8.600	78	166743	19.284	ug/l	99

Sample Results: **VN084938.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	28323	21.561 ug/l	93
42) 1,2-Dichloroethane	8.665	62	59066	21.093 ug/l	100
43) Isopropyl Acetate	8.688	43	100867	21.807 ug/l	98
44) Trichloroethene	9.347	130	37236	18.673 ug/l	95
45) 1,2-Dichloropropane	9.618	63	40398	19.917 ug/l	93
46) Dibromomethane	9.706	93	28390	19.836 ug/l	96
47) Bromodichloromethane	9.883	83	60687	20.115 ug/l	99
48) Methyl methacrylate	9.683	41	40746	21.432 ug/l	98
49) 1,4-Dioxane	9.694	88	15027	446.038 ug/l #	80
51) 4-Methyl-2-Pentanone	10.441	43	266202	114.312 ug/l	100
52) Toluene	10.630	92	104204	20.606 ug/l	97
53) t-1,3-Dichloropropene	10.835	75	58885	18.856 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	65422	19.793 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	39586	20.781 ug/l	96
56) Ethyl methacrylate	10.871	69	59364	21.545 ug/l	97
57) 1,3-Dichloropropane	11.159	76	67357	20.603 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	139905	108.511 ug/l	97
59) 2-Hexanone	11.194	43	199980	117.979 ug/l	100
60) Dibromochloromethane	11.359	129	43514	20.043 ug/l	95
61) 1,2-Dibromoethane	11.465	107	38886	19.935 ug/l	96
64) Tetrachloroethene	11.100	164	32191	19.153 ug/l	97
65) Chlorobenzene	11.888	112	107058	18.939 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	39898	20.291 ug/l	97
67) Ethyl Benzene	11.965	91	183422	19.439 ug/l	99
68) m/p-Xylenes	12.071	106	143310	40.117 ug/l	100
69) o-Xylene	12.400	106	68863	20.606 ug/l	99
70) Styrene	12.412	104	113129	19.406 ug/l	99
71) Bromoform	12.576	173	30101	20.345 ug/l #	100
73) Isopropylbenzene	12.694	105	173994	18.929 ug/l	100
74) N-amyl acetate	12.494	43	74637	19.078 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	58779	19.158 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	49539m	18.894 ug/l	
77) Bromobenzene	12.976	156	43232	17.496 ug/l	97
78) n-propylbenzene	13.035	91	199093	18.484 ug/l	100
79) 2-Chlorotoluene	13.124	91	132044	18.762 ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	148018	19.429 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	19909	18.014 ug/l	99
82) 4-Chlorotoluene	13.218	91	129851	17.532 ug/l	98
83) tert-Butylbenzene	13.435	119	120889	19.173 ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	149905	19.065 ug/l	98
85) sec-Butylbenzene	13.612	105	169384	19.019 ug/l	99
86) p-Isopropyltoluene	13.729	119	140547	19.242 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	80412	16.675 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	80399	17.455 ug/l	99
89) n-Butylbenzene	14.053	91	115610	16.921 ug/l	99
90) Hexachloroethane	14.335	117	27883	17.118 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	78540	16.949 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11687	18.803 ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	38073	15.011 ug/l	100
94) Hexachlorobutadiene	15.494	225	17984	16.146 ug/l	99
95) Naphthalene	15.641	128	117873	15.526 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	36396	14.782 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

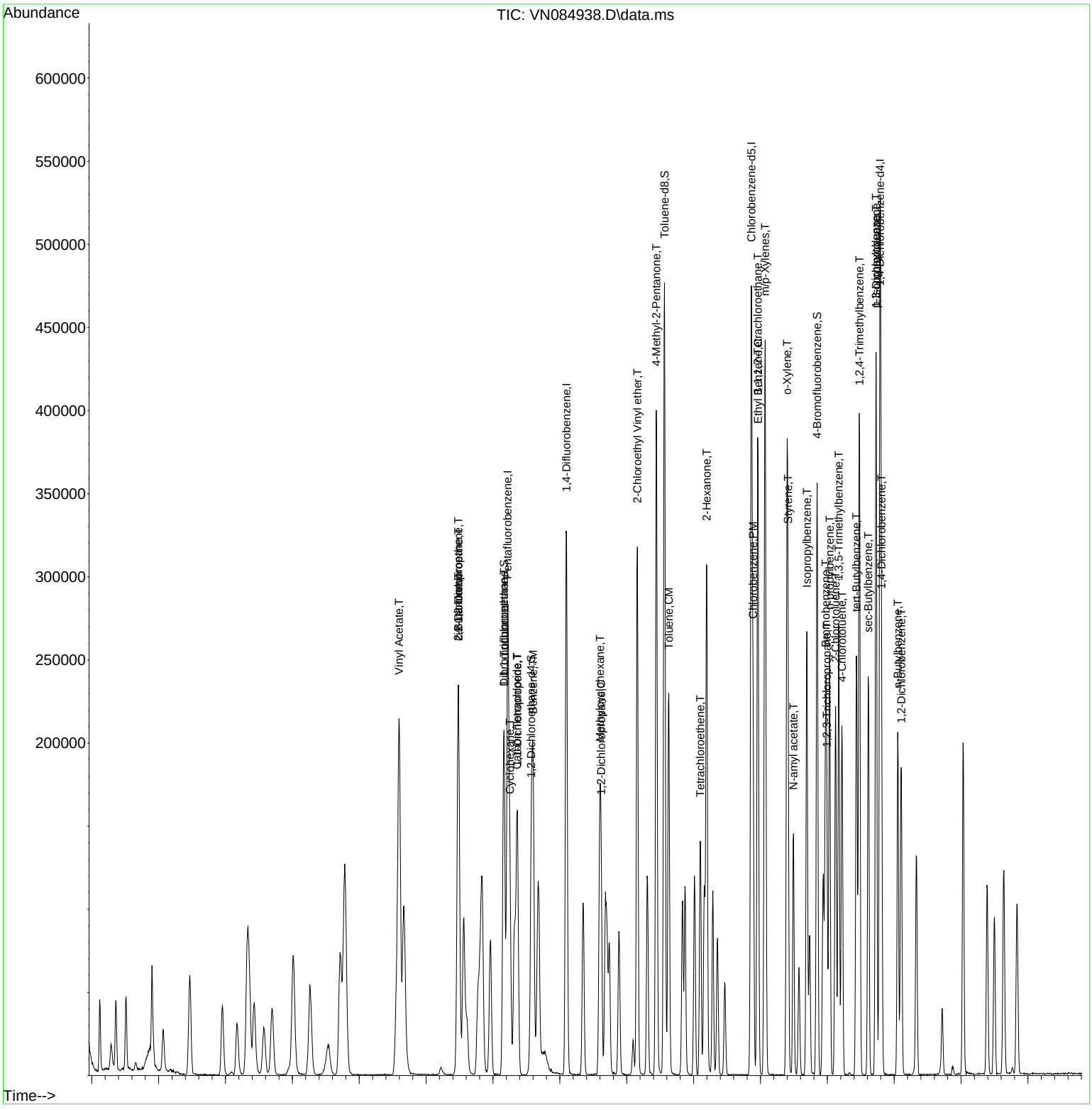
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4770
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		0.21	1.00	ug/L
74-87-3	Chloromethane	17.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	19.3		0.34	1.00	ug/L
74-83-9	Bromomethane	20.1		1.40	5.00	ug/L
75-00-3	Chloroethane	19.2		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	120		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.60	5.00	ug/L
78-93-3	2-Butanone	120		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.8		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.6		0.19	1.00	ug/L
71-43-2	Benzene	19.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.6		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.2		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	130		0.75	5.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4770
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	20.7		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.4		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	130		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.31	2.00	ug/L
95-47-6	o-Xylene	20.7		0.14	1.00	ug/L
100-42-5	Styrene	20.2		0.16	1.00	ug/L
75-25-2	Bromoform	20.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.5		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.0		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.5		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	44.9		70 (86) - 130 (113)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151000	8.224			
540-36-3	1,4-Difluorobenzene	254000	9.1			
3114-55-4	Chlorobenzene-d5	230000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

Raw Data: **VN084964.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4770
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	102086	46.923	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.840%			
35) Dibromofluoromethane	8.165	113	82888	48.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.600%			
50) Toluene-d8	10.565	98	283802	44.890	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.780%			
62) 4-Bromofluorobenzene	12.847	95	113847	48.183	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	35618	20.569	ug/l	97
3) Chloromethane	2.359	50	39396	17.764	ug/l	96
4) Vinyl Chloride	2.506	62	35932	19.293	ug/l	94
5) Bromomethane	2.901	94	19858	20.124	ug/l	91
6) Chloroethane	3.071	64	23127	19.201	ug/l	98
7) Trichlorofluoromethane	3.465	101	60800	19.818	ug/l	99
8) Diethyl Ether	3.953	74	23262	21.494	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.353	101	34019	19.624	ug/l	98
10) Methyl Iodide	4.577	142	48587	20.971	ug/l	98
11) Tert butyl alcohol	5.542	59	33696	117.336	ug/l	98
12) 1,1-Dichloroethene	4.330	96	32651	19.034	ug/l	94
13) Acrolein	4.171	56	31534	110.120	ug/l	97
14) Allyl chloride	5.012	41	54299	19.519	ug/l	94
15) Acrylonitrile	5.712	53	96254	115.780	ug/l	98
16) Acetone	4.430	43	72399	113.647	ug/l	96
17) Carbon Disulfide	4.700	76	93961	17.787	ug/l	98
18) Methyl Acetate	5.024	43	50778	19.700	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	114824	21.839	ug/l	98
20) Methylene Chloride	5.265	84	38672	20.210	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	33847	19.216	ug/l	95
22) Diisopropyl ether	6.671	45	116859	21.141	ug/l	97
23) Vinyl Acetate	6.600	43	432838	113.548	ug/l	98
24) 1,1-Dichloroethane	6.559	63	65568	19.757	ug/l	97
25) 2-Butanone	7.483	43	124217	122.382	ug/l	97
26) 2,2-Dichloropropane	7.483	77	58388	20.214	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	41367	20.114	ug/l	97
28) Bromochloromethane	7.806	49	28846	21.817	ug/l	90
29) Tetrahydrofuran	7.841	42	81330	120.782	ug/l	96
30) Chloroform	7.965	83	69698	20.634	ug/l	93
31) Cyclohexane	8.247	56	56449	18.794	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61504	20.005	ug/l	97
36) 1,1-Dichloropropene	8.365	75	45714	19.205	ug/l	98
37) Ethyl Acetate	7.559	43	48545	22.479	ug/l	95
38) Carbon Tetrachloride	8.359	117	55251	20.767	ug/l	95
39) Methylcyclohexane	9.600	83	49871	20.595	ug/l	97
40) Benzene	8.600	78	151055	19.761	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	28047	24.151	ug/l		98
42) 1,2-Dichloroethane	8.665	62	52979	21.400	ug/l		99
43) Isopropyl Acetate	8.688	43	89614	21.919	ug/l		99
44) Trichloroethene	9.347	130	34468	19.552	ug/l		97
45) 1,2-Dichloropropane	9.618	63	37090	20.684	ug/l		98
46) Dibromomethane	9.706	93	26646	21.059	ug/l		96
47) Bromodichloromethane	9.888	83	53986	20.241	ug/l	#	99
48) Methyl methacrylate	9.682	41	39511	23.508	ug/l		98
49) 1,4-Dioxane	9.694	88	13647	458.199	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	257532	125.092	ug/l		99
52) Toluene	10.629	92	92522	20.695	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	53494	19.376	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	58965	20.179	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	36801	21.853	ug/l		95
56) Ethyl methacrylate	10.871	69	57695	23.685	ug/l		96
57) 1,3-Dichloropropane	11.159	76	61447	21.260	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	115920	101.699	ug/l		95
59) 2-Hexanone	11.194	43	190538	127.150	ug/l		99
60) Dibromochloromethane	11.359	129	41243	21.489	ug/l		99
61) 1,2-Dibromoethane	11.471	107	36672	21.265	ug/l		98
64) Tetrachloroethene	11.100	164	30097	19.699	ug/l		93
65) Chlorobenzene	11.888	112	99409	19.345	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	35112	19.644	ug/l		98
67) Ethyl Benzene	11.965	91	168037	19.590	ug/l		99
68) m/p-Xylenes	12.071	106	127695	39.323	ug/l		99
69) o-Xylene	12.400	106	62946	20.721	ug/l		99
70) Styrene	12.412	104	106834	20.160	ug/l		99
71) Bromoform	12.582	173	26831	19.950	ug/l	#	95
73) Isopropylbenzene	12.694	105	155280	19.290	ug/l		99
74) N-amyl acetate	12.494	43	72549	21.175	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	54852	20.414	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	46699m	20.337	ug/l		
77) Bromobenzene	12.976	156	40419	18.677	ug/l		96
78) n-propylbenzene	13.035	91	178621	18.935	ug/l		98
79) 2-Chlorotoluene	13.123	91	117308	19.032	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	132819	19.907	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18261m	18.867	ug/l		
82) 4-Chlorotoluene	13.218	91	119090	18.359	ug/l		98
83) tert-Butylbenzene	13.435	119	112021	20.287	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	138540	20.119	ug/l		98
85) sec-Butylbenzene	13.618	105	149002	19.103	ug/l		100
86) p-Isopropyltoluene	13.729	119	123982	19.382	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	73769	17.467	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	72532	18.009	ug/l		99
89) n-Butylbenzene	14.059	91	102739	17.170	ug/l		99
90) Hexachloroethane	14.335	117	25263	17.709	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	73040	17.997	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11216	20.605	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	35527	15.994	ug/l		98
94) Hexachlorobutadiene	15.500	225	16423	16.836	ug/l		96
95) Naphthalene	15.641	128	117662	17.697	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	35531	16.478	ug/l		100

Sample Results: **VN084964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084964.D**

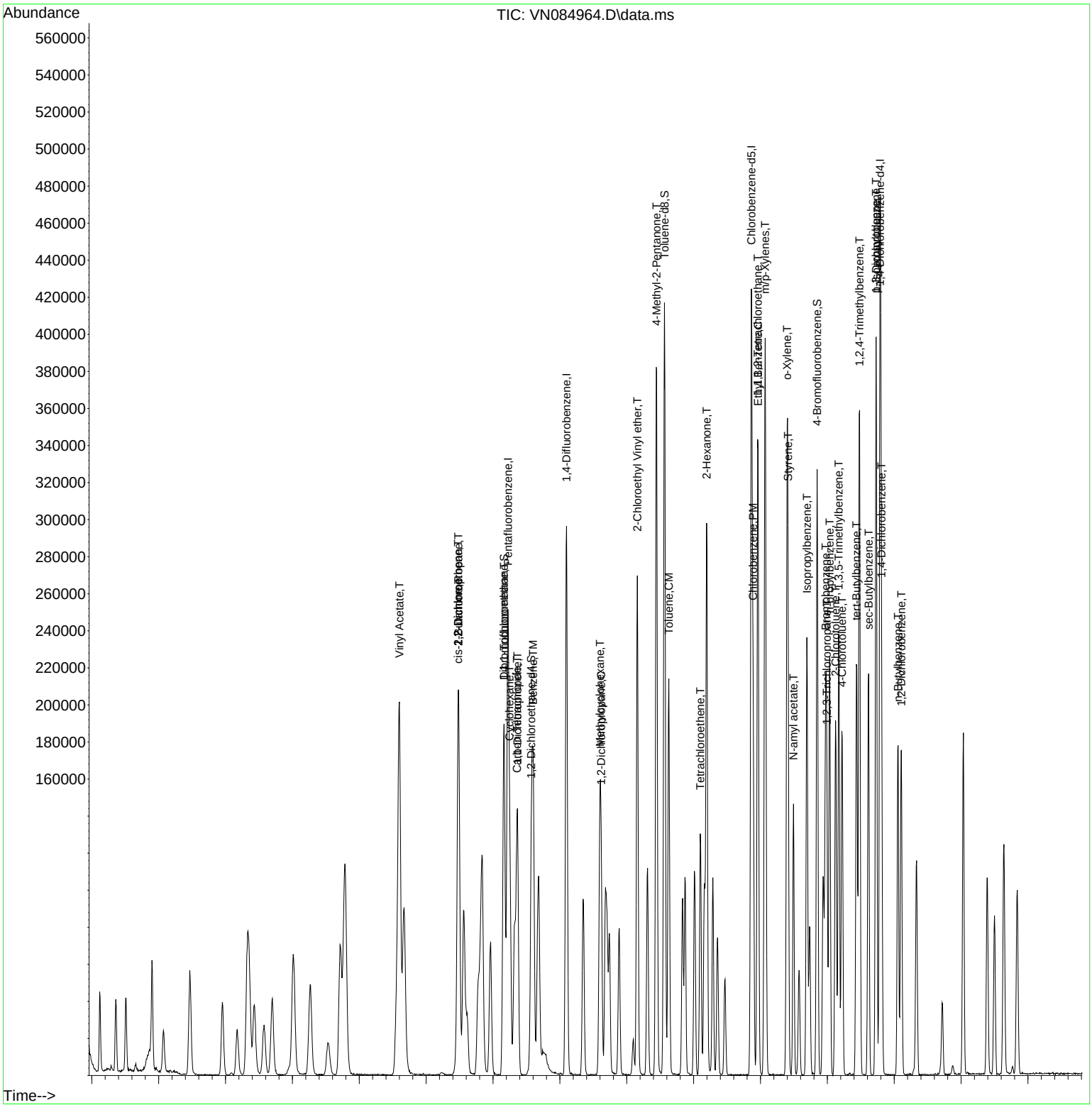
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



Raw Data: **VN084823.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4770
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.5		0.21	1.00	ug/L
74-87-3	Chloromethane	17.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.9		0.34	1.00	ug/L
74-83-9	Bromomethane	21.4		1.40	5.00	ug/L
75-00-3	Chloroethane	22.6		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.9		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.8		0.26	1.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.3		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.5		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.4		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.5		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.18	1.00	ug/L
67-66-3	Chloroform	21.5		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.8		0.19	1.00	ug/L
71-43-2	Benzene	20.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	22.3		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.0		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	21.4		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4770
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	21.4		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	23.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	42.9		0.31	2.00	ug/L
95-47-6	o-Xylene	22.0		0.14	1.00	ug/L
100-42-5	Styrene	21.5		0.16	1.00	ug/L
75-25-2	Bromoform	21.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.7		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.8		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.3		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		70 (74) - 130 (125)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	47.8		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	145000	8.218			
540-36-3	1,4-Difluorobenzene	235000	9.1			
3114-55-4	Chlorobenzene-d5	212000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788			

Raw Data: **VN084823.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4770
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084823.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	144835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	235271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	211677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	94886	45.359	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.720%			
35) Dibromofluoromethane	8.159	113	77380	48.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.180%			
50) Toluene-d8	10.565	98	280379	47.795	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.600%			
62) 4-Bromofluorobenzene	12.847	95	111771	50.981	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	34161	20.517	ug/l	95
3) Chloromethane	2.359	50	36498	17.019	ug/l	96
4) Vinyl Chloride	2.512	62	39219	21.900	ug/l	97
5) Bromomethane	2.901	94	20351	21.449	ug/l	85
6) Chloroethane	3.077	64	25938	22.635	ug/l #	89
7) Trichlorofluoromethane	3.471	101	61535	20.860	ug/l	99
8) Diethyl Ether	3.953	74	21737	20.889	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	35448	21.266	ug/l	95
10) Methyl Iodide	4.577	142	48302	21.682	ug/l	98
11) Tert butyl alcohol	5.536	59	27606	99.976	ug/l	99
12) 1,1-Dichloroethene	4.324	96	32595	19.762	ug/l	96
13) Acrolein	4.177	56	20520	74.525	ug/l	98
14) Allyl chloride	5.006	41	52205	19.517	ug/l	93
15) Acrylonitrile	5.712	53	80820	101.104	ug/l	98
16) Acetone	4.430	43	63688	103.727	ug/l	100
17) Carbon Disulfide	4.706	76	92206	18.153	ug/l	96
18) Methyl Acetate	5.012	43	41827	16.255	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	108185	21.400	ug/l	93
20) Methylene Chloride	5.265	84	37718	20.500	ug/l #	85
21) trans-1,2-Dichloroethene	5.777	96	34032	20.094	ug/l	95
22) Diisopropyl ether	6.665	45	108204	20.358	ug/l	96
23) Vinyl Acetate	6.594	43	380570	103.831	ug/l	96
24) 1,1-Dichloroethane	6.565	63	64127	20.096	ug/l	98
25) 2-Butanone	7.477	43	101609	104.114	ug/l	100
26) 2,2-Dichloropropane	7.489	77	59772	21.521	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	40506	20.483	ug/l	97
28) Bromochloromethane	7.806	49	26531	20.869	ug/l	93
29) Tetrahydrofuran	7.836	42	64449	99.542	ug/l	92
30) Chloroform	7.959	83	69722	21.467	ug/l	100
31) Cyclohexane	8.247	56	58930	20.404	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	62101	21.008	ug/l	94
36) 1,1-Dichloropropene	8.371	75	44595	20.191	ug/l	98
37) Ethyl Acetate	7.559	43	42592	21.255	ug/l	97
38) Carbon Tetrachloride	8.353	117	53965	21.860	ug/l	95
39) Methylcyclohexane	9.594	83	48964	21.792	ug/l	96
40) Benzene	8.600	78	146711	20.684	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	23229	21.557	ug/l		94
42) 1,2-Dichloroethane	8.665	62	49432	21.520	ug/l		99
43) Isopropyl Acetate	8.683	43	76401	20.060	ug/l		99
44) Trichloroethene	9.347	130	36415	22.261	ug/l		86
45) 1,2-Dichloropropane	9.618	63	34904	20.978	ug/l		98
46) Dibromomethane	9.706	93	24966	21.265	ug/l		95
47) Bromodichloromethane	9.882	83	53004	21.417	ug/l		98
48) Methyl methacrylate	9.677	41	32696	20.965	ug/l		95
49) 1,4-Dioxane	9.694	88	12102	437.906	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.441	43	208306	109.045	ug/l		99
52) Toluene	10.629	92	88883	21.427	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	52463	20.479	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	56924	20.995	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	33197	21.245	ug/l		99
56) Ethyl methacrylate	10.871	69	51492	22.782	ug/l		95
57) 1,3-Dichloropropane	11.159	76	56773	21.170	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	111900	105.802	ug/l		96
59) 2-Hexanone	11.194	43	156533	112.577	ug/l		96
60) Dibromochloromethane	11.359	129	40944	22.991	ug/l		98
61) 1,2-Dibromoethane	11.465	107	33340	20.835	ug/l		97
64) Tetrachloroethene	11.100	164	30999	22.016	ug/l		97
65) Chlorobenzene	11.888	112	97118	20.508	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	36105	21.919	ug/l		96
67) Ethyl Benzene	11.965	91	166079	21.010	ug/l		98
68) m/p-Xylenes	12.071	106	128485	42.934	ug/l		99
69) o-Xylene	12.394	106	61450	21.950	ug/l		97
70) Styrene	12.406	104	105142	21.529	ug/l		99
71) Bromoform	12.576	173	26942	21.737	ug/l	#	99
73) Isopropylbenzene	12.694	105	153827	19.857	ug/l		99
74) N-amyl acetate	12.494	43	62516	18.960	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48704	18.835	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	39260m	17.767	ug/l		
77) Bromobenzene	12.976	156	40793	19.588	ug/l		91
78) n-propylbenzene	13.035	91	180726	19.908	ug/l		98
79) 2-Chlorotoluene	13.123	91	116628	19.662	ug/l		97
80) 1,3,5-Trimethylbenzene	13.171	105	136195	21.212	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	17077	18.334	ug/l		92
82) 4-Chlorotoluene	13.218	91	118700	19.015	ug/l		100
83) tert-Butylbenzene	13.435	119	112040	21.084	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	136557	20.607	ug/l		100
85) sec-Butylbenzene	13.612	105	154263	20.551	ug/l		100
86) p-Isopropyltoluene	13.729	119	131536	21.367	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	74623	18.361	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	75927	19.675	ug/l		99
89) n-Butylbenzene	14.053	91	110781	19.238	ug/l		99
90) Hexachloroethane	14.335	117	25791	18.787	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	72630	18.597	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10004	19.097	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	38113	17.829	ug/l		99
94) Hexachlorobutadiene	15.500	225	17910	19.079	ug/l		98
95) Naphthalene	15.635	128	114920	17.961	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	35883	17.292	ug/l		97

Sample Results: **VN084823.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084823.D**

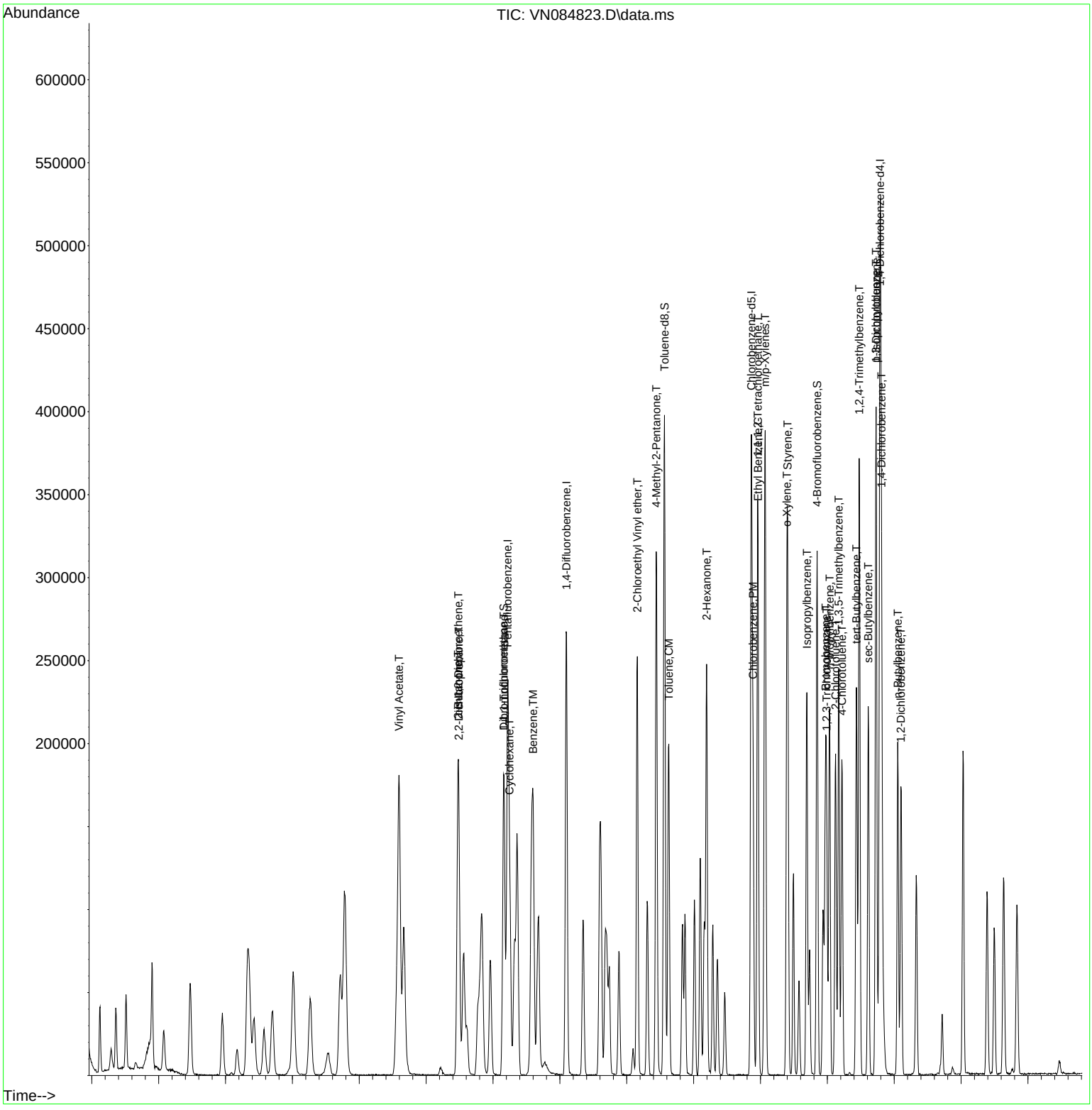
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024



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Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084570.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:14 AM	MMDadoda	11/4/2024 1:18:00 AM	Peak Integrated by Software
VSTDICCC050	VN084571.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:15 AM	MMDadoda	11/4/2024 1:18:01 AM	Peak Integrated by Software
VSTDICC020	VN084572.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:16 AM	MMDadoda	11/4/2024 1:18:03 AM	Peak Integrated by Software
VSTDICC010	VN084573.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:17 AM	MMDadoda	11/4/2024 1:18:04 AM	Peak Integrated by Software
VSTDICC005	VN084574.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:20 AM	MMDadoda	11/4/2024 1:18:05 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,4-Dichlorobenzene	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Acetone	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Diethyl Ether	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICV050	VN084577.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:23 AM	MMDadoda	11/4/2024 1:18:09 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	trans-1,4-Dichloro-2-but ene	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VN111324	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084815.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:19 AM	MMDadoda	11/14/2024 3:18:30 PM	Peak Integrated by Software
VN1113WBS01	VN084822.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:28 AM	MMDadoda	11/14/2024 3:18:39 PM	Peak Integrated by Software
VN1113WBSD01	VN084823.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:33 AM	MMDadoda	11/14/2024 3:18:39 PM	Peak Integrated by Software
VSTDCCC050	VN084840.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:38 AM	MMDadoda	11/14/2024 3:18:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN111424	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084842.D	1,2,3-Trichloropropane	JOHN	11/15/2024 9:36:11 AM	MMDadoda	11/15/2024 3:54:21 PM	Peak Integrated by Software
VSTDCCC050	VN084842.D	trans-1,4-Dichloro-2-but ene	JOHN	11/15/2024 9:36:11 AM	MMDadoda	11/15/2024 3:54:21 PM	Peak Integrated by Software
VN1114WBS02	VN084846.D	1,2,3-Trichloropropane	JOHN	11/15/2024 9:36:19 AM	MMDadoda	11/15/2024 3:54:24 PM	Peak Integrated by Software
VSTDCCC050	VN084865.D	1,2,3-Trichloropropane	JOHN	11/15/2024 9:36:40 AM	MMDadoda	11/15/2024 3:54:27 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN111924	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084935.D	1,2,3-Trichloropropane	JOHN	11/20/2024 9:59:49 AM	MMDadoda	11/20/2024 1:01:17 PM	Peak Integrated by Software
VN1119WBS01	VN084938.D	1,2,3-Trichloropropane	JOHN	11/20/2024 9:59:53 AM	MMDadoda	11/20/2024 1:01:18 PM	Peak Integrated by Software
VSTDCCC050	VN084958.D	1,2,3-Trichloropropane	JOHN	11/20/2024 10:00:10 AM	MMDadoda	11/20/2024 1:01:28 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN112024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084960.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:26 AM	MMDadoda	11/21/2024 6:45:22 AM	Peak Integrated by Software
VN1120WBS02	VN084964.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:30 AM	MMDadoda	11/21/2024 6:45:25 AM	Peak Integrated by Software
VN1120WBS02	VN084964.D	trans-1,4-Dichloro-2-but ene	SAM	11/21/2024 6:43:30 AM	MMDadoda	11/21/2024 6:45:25 AM	Peak Integrated by Software
VSTDCCC050	VN084985.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:54 AM	MMDadoda	11/21/2024 6:46:13 AM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N		HP Processing Method	82n103024w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084569.D	30 Oct 2024 10:42	JC\MD	Ok
2	VSTDICC100	VN084570.D	30 Oct 2024 11:46	JC\MD	Ok,M
3	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	JC\MD	Ok,M
4	VSTDICC020	VN084572.D	30 Oct 2024 12:33	JC\MD	Ok,M
5	VSTDICC010	VN084573.D	30 Oct 2024 12:57	JC\MD	Ok,M
6	VSTDICC005	VN084574.D	30 Oct 2024 13:21	JC\MD	Ok,M
7	VSTDICC001	VN084575.D	30 Oct 2024 13:45	JC\MD	Ok,M
8	VIBLK	VN084576.D	30 Oct 2024 14:42	JC\MD	Ok
9	VSTDICV050	VN084577.D	30 Oct 2024 15:06	JC\MD	Ok,M
10	BFB	VN084578.D	30 Oct 2024 19:24	JC\MD	Ok
11	VSTDCCC050	VN084579.D	30 Oct 2024 20:12	JC\MD	Ok,M
12	VN1030MBL01	VN084580.D	30 Oct 2024 20:48	JC\MD	Ok
13	VN1030WBL01	VN084581.D	30 Oct 2024 21:12	JC\MD	Ok
14	VN1030WBS01	VN084582.D	30 Oct 2024 21:46	JC\MD	Ok,M
15	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10	JC\MD	Ok,M
16	P4594-04	VN084584.D	30 Oct 2024 22:34	JC\MD	Ok,M
17	P4594-08	VN084585.D	30 Oct 2024 22:58	JC\MD	Ok
18	P4594-12	VN084586.D	30 Oct 2024 23:22	JC\MD	Ok
19	P4594-16	VN084587.D	30 Oct 2024 23:46	JC\MD	Ok
20	P4594-20	VN084588.D	31 Oct 2024 00:09	JC\MD	Ok
21	P4597-03	VN084589.D	31 Oct 2024 00:34	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4597-06	VN084590.D	31 Oct 2024 00:57	JC\MD	Ok,M
23	P4597-09	VN084591.D	31 Oct 2024 01:21	JC\MD	Ok
24	P4597-12	VN084592.D	31 Oct 2024 01:45	JC\MD	Ok,M
25	P4598-04	VN084593.D	31 Oct 2024 02:09	JC\MD	Ok
26	P4598-08	VN084594.D	31 Oct 2024 02:33	JC\MD	Ok
27	P4598-12	VN084595.D	31 Oct 2024 02:57	JC\MD	Ok
28	P4611-03	VN084596.D	31 Oct 2024 03:21	JC\MD	Ok
29	P4611-06	VN084597.D	31 Oct 2024 03:45	JC\MD	Ok
30	P4611-09	VN084598.D	31 Oct 2024 04:09	JC\MD	Ok
31	P4611-12	VN084599.D	31 Oct 2024 04:33	JC\MD	Ok
32	P4611-15	VN084600.D	31 Oct 2024 04:57	JC\MD	Ok
33	P4611-18	VN084601.D	31 Oct 2024 05:21	JC\MD	Ok
34	P4612-04	VN084602.D	31 Oct 2024 05:45	JC\MD	Ok
35	P4613-02	VN084603.D	31 Oct 2024 06:09	JC\MD	Ok
36	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	JC\MD	Ok,M
37	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	JC\MD	Ok,M
38	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	JC\MD	Ok,M
39	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	JC\MD	Ok
40	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	JC\MD	Ok,M
41	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	JC\MD	Ok,M
42	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	JC\MD	Ok,M
43	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	JC\MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084814.D	13 Nov 2024 08:53	JC\MD	Ok
2	VSTDCCC050	VN084815.D	13 Nov 2024 09:52	JC\MD	Ok,M
3	VN1113MBL01	VN084816.D	13 Nov 2024 10:26	JC\MD	Not Ok
4	VN1113WBL01	VN084817.D	13 Nov 2024 10:50	JC\MD	Ok
5	VN1113MBL02	VN084818.D	13 Nov 2024 11:13	JC\MD	Ok
6	VN1113MBS01	VN084819.D	13 Nov 2024 11:37	JC\MD	Ok,M
7	P4793-01	VN084820.D	13 Nov 2024 12:01	JC\MD	Dilution
8	P4793-01DL	VN084821.D	13 Nov 2024 13:00	JC\MD	Ok
9	VN1113WBS01	VN084822.D	13 Nov 2024 13:24	JC\MD	Ok,M
10	VN1113WBSD01	VN084823.D	13 Nov 2024 14:00	JC\MD	Ok,M
11	P4722-05	VN084824.D	13 Nov 2024 14:24	JC\MD	Ok
12	P4722-10	VN084825.D	13 Nov 2024 14:48	JC\MD	Ok
13	P4722-15	VN084826.D	13 Nov 2024 15:12	JC\MD	Ok
14	P4780-01	VN084827.D	13 Nov 2024 15:35	JC\MD	Ok
15	P4739-11DL	VN084828.D	13 Nov 2024 15:59	JC\MD	Ok
16	IBLK	VN084829.D	13 Nov 2024 16:23	JC\MD	Ok
17	P4770-04	VN084830.D	13 Nov 2024 16:47	JC\MD	Ok
18	P4780-04	VN084831.D	13 Nov 2024 17:11	JC\MD	Ok
19	P4770-05	VN084832.D	13 Nov 2024 17:35	JC\MD	Ok
20	P4780-02	VN084833.D	13 Nov 2024 18:00	JC\MD	Ok
21	P4780-03	VN084834.D	13 Nov 2024 18:23	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4791-02	VN084835.D	13 Nov 2024 18:47	JC\MD	Ok
23	P4792-04	VN084836.D	13 Nov 2024 19:11	JC\MD	Ok
24	P4799-17	VN084837.D	13 Nov 2024 19:35	JC\MD	Ok
25	P4732-05	VN084838.D	13 Nov 2024 19:59	JC\MD	Ok
26	P4792-02	VN084839.D	13 Nov 2024 20:23	JC\MD	Ok
27	VSTDCCC050	VN084840.D	13 Nov 2024 20:47	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111424

Review By	John Carlone	Review On	11/15/2024 10:01:35 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/15/2024 3:54:33 PM		
SubDirectory	VN111424	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131460
Initial Calibration Stds	
CCC	VP131461,VP131462
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084841.D	14 Nov 2024 08:53	JC\MD	Ok
2	VSTDCCC050	VN084842.D	14 Nov 2024 09:54	JC\MD	Ok,M
3	VN1114MBL01	VN084843.D	14 Nov 2024 10:28	JC\MD	Ok
4	VN1114WBL01	VN084844.D	14 Nov 2024 10:52	JC\MD	Ok
5	VN1114WBS01	VN084845.D	14 Nov 2024 11:53	JC\MD	Not Ok
6	VN1114WBS02	VN084846.D	14 Nov 2024 12:50	JC\MD	Ok,M
7	VN1114WBSD02	VN084847.D	14 Nov 2024 13:24	JC\MD	Ok,M
8	P4844-01	VN084848.D	14 Nov 2024 13:48	JC\MD	ReRun
9	IBLK	VN084849.D	14 Nov 2024 14:12	JC\MD	Ok
10	P4844-02	VN084850.D	14 Nov 2024 14:36	JC\MD	Ok
11	P4718-05	VN084851.D	14 Nov 2024 14:59	JC\MD	Ok
12	P4819-01	VN084852.D	14 Nov 2024 15:23	JC\MD	Ok
13	P4718-04	VN084853.D	14 Nov 2024 15:47	JC\MD	Ok
14	PB164945TB	VN084854.D	14 Nov 2024 16:11	JC\MD	Ok
15	PB164927TB	VN084855.D	14 Nov 2024 16:35	JC\MD	Ok
16	P4821-04	VN084856.D	14 Nov 2024 16:59	JC\MD	Ok
17	P4821-08	VN084857.D	14 Nov 2024 17:23	JC\MD	Ok
18	P4823-04	VN084858.D	14 Nov 2024 17:47	JC\MD	Ok
19	P4833-04	VN084859.D	14 Nov 2024 18:10	JC\MD	Ok
20	P4833-08	VN084860.D	14 Nov 2024 18:34	JC\MD	Ok
21	P4770-01	VN084861.D	14 Nov 2024 18:58	JC\MD	ReRun

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111424

Review By	John Carlone	Review On	11/15/2024 10:01:35 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/15/2024 3:54:33 PM		
SubDirectory	VN111424	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131460
Initial Calibration Stds	
CCC	VP131461,VP131462
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4770-02	VN084862.D	14 Nov 2024 19:22	JC\MD	ReRun
23	P4770-03	VN084863.D	14 Nov 2024 19:46	JC\MD	Ok
24	IBLK	VN084864.D	14 Nov 2024 20:10	JC\MD	Ok
25	VSTDCCC050	VN084865.D	14 Nov 2024 20:34	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084934.D	19 Nov 2024 08:15	JC\MD	Ok
2	VSTDCCC050	VN084935.D	19 Nov 2024 09:27	JC\MD	Ok,M
3	VN1119MBL01	VN084936.D	19 Nov 2024 10:43	JC\MD	Ok
4	VN1119WBL01	VN084937.D	19 Nov 2024 11:07	JC\MD	Ok
5	VN1119WBS01	VN084938.D	19 Nov 2024 11:40	JC\MD	Ok,M
6	VN1119WBSD01	VN084939.D	19 Nov 2024 12:04	JC\MD	Ok,M
7	P4770-01	VN084940.D	19 Nov 2024 12:28	JC\MD	Dilution
8	P4770-02	VN084941.D	19 Nov 2024 12:52	JC\MD	Ok
9	P4845-01DL	VN084942.D	19 Nov 2024 13:17	JC\MD	Ok,M
10	P4845-04DL	VN084943.D	19 Nov 2024 13:41	JC\MD	Ok
11	P4845-11DL	VN084944.D	19 Nov 2024 14:05	JC\MD	Ok
12	P4845-19DL	VN084945.D	19 Nov 2024 14:29	JC\MD	Ok
13	P4845-09	VN084946.D	19 Nov 2024 14:53	JC\MD	Ok
14	P4845-02	VN084947.D	19 Nov 2024 15:15	JC\MD	Ok
15	P4848-02	VN084948.D	19 Nov 2024 15:40	JC\MD	Ok
16	P4871-01DL	VN084949.D	19 Nov 2024 16:04	JC\MD	Ok
17	P4845-16	VN084950.D	19 Nov 2024 16:28	JC\MD	Ok
18	P4845-20	VN084951.D	19 Nov 2024 16:52	JC\MD	Ok
19	P4843-01	VN084952.D	19 Nov 2024 17:16	JC\MD	Ok
20	P4845-08	VN084953.D	19 Nov 2024 17:40	JC\MD	Ok
21	P4845-15	VN084954.D	19 Nov 2024 18:04	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4849-02	VN084955.D	19 Nov 2024 18:28	JC\MD	Ok
23	P4844-01	VN084956.D	19 Nov 2024 18:52	JC\MD	Ok
24	IBLK	VN084957.D	19 Nov 2024 19:16	JC\MD	Ok
25	VSTDCCC050	VN084958.D	19 Nov 2024 19:40	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084959.D	20 Nov 2024 09:51	JC\MD	Ok
2	VSTDCCC050	VN084960.D	20 Nov 2024 11:18	JC\MD	Ok,M
3	VN1120MBL01	VN084961.D	20 Nov 2024 11:57	JC\MD	Not Ok
4	VN1120WBL01	VN084962.D	20 Nov 2024 12:21	JC\MD	Ok
5	VN1120WBS01	VN084963.D	20 Nov 2024 12:45	JC\MD	Not Ok
6	VN1120WBS02	VN084964.D	20 Nov 2024 13:20	JC\MD	Ok,M
7	P4864-01	VN084965.D	20 Nov 2024 13:44	JC\MD	Ok
8	PB165108TB	VN084966.D	20 Nov 2024 14:08	JC\MD	Ok
9	PB165122TB	VN084967.D	20 Nov 2024 14:33	JC\MD	Ok
10	P4770-01	VN084968.D	20 Nov 2024 14:57	JC\MD	Not Ok
11	P4845-12	VN084969.D	20 Nov 2024 15:21	JC\MD	Ok
12	VN1120WBSD02	VN084970.D	20 Nov 2024 15:45	JC\MD	Not Ok
13	P4893-04	VN084971.D	20 Nov 2024 16:09	JC\MD	Ok
14	P4893-08	VN084972.D	20 Nov 2024 16:34	JC\MD	Ok
15	P4910-04	VN084973.D	20 Nov 2024 16:58	JC\MD	Ok,M
16	P4910-08	VN084974.D	20 Nov 2024 17:22	JC\MD	Ok,M
17	P4916-04	VN084975.D	20 Nov 2024 17:46	JC\MD	Ok,M
18	P4916-08	VN084976.D	20 Nov 2024 18:10	JC\MD	Ok,M
19	P4916-12	VN084977.D	20 Nov 2024 18:34	JC\MD	Ok,M
20	P4924-04	VN084978.D	20 Nov 2024 18:58	JC\MD	Ok,M
21	P4925-04	VN084979.D	20 Nov 2024 19:22	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4925-08	VN084980.D	20 Nov 2024 19:46	JC\MD	Ok,M
23	P4921-01	VN084981.D	20 Nov 2024 20:10	JC\MD	Ok
24	VN1120WBSD02	VN084982.D	20 Nov 2024 20:34	JC\MD	Ok,M
25	P4770-01	VN084983.D	20 Nov 2024 20:58	JC\MD	Ok
26	P4892-04	VN084984.D	20 Nov 2024 21:22	JC\MD	Ok
27	VSTDCCC050	VN084985.D	20 Nov 2024 21:46	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084569.D	30 Oct 2024 10:42		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN084570.D	30 Oct 2024 11:46	Comp #03 fail for %D	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	LR-03,06,16,18,43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN084572.D	30 Oct 2024 12:33	QR-88	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN084573.D	30 Oct 2024 12:57		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084574.D	30 Oct 2024 13:21		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN084575.D	30 Oct 2024 13:45		JC\MD	Ok,M
8	VIBLK	VIBLK	VN084576.D	30 Oct 2024 14:42		JC\MD	Ok
9	VSTDICV050	ICVVN103024	VN084577.D	30 Oct 2024 15:06		JC\MD	Ok,M
10	BFB	BFB	VN084578.D	30 Oct 2024 19:24		JC\MD	Ok
11	VSTDCCC050	VSTDCCC050	VN084579.D	30 Oct 2024 20:12		JC\MD	Ok,M
12	VN1030MBL01	VN1030MBL01	VN084580.D	30 Oct 2024 20:48		JC\MD	Ok
13	VN1030WBL01	VN1030WBL01	VN084581.D	30 Oct 2024 21:12		JC\MD	Ok
14	VN1030WBS01	VN1030WBS01	VN084582.D	30 Oct 2024 21:46		JC\MD	Ok,M
15	VN1030WBSD01	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10		JC\MD	Ok,M
16	P4594-04	TP-4	VN084584.D	30 Oct 2024 22:34	pH#5.0 A	JC\MD	Ok,M
17	P4594-08	BP-F17	VN084585.D	30 Oct 2024 22:58	pH#5.0 A	JC\MD	Ok
18	P4594-12	BP-F16	VN084586.D	30 Oct 2024 23:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4594-16	TP-5	VN084587.D	30 Oct 2024 23:46	pH#7.0 A	JC\MD	Ok
20	P4594-20	BP-F15	VN084588.D	31 Oct 2024 00:09	pH#6.0 A	JC\MD	Ok
21	P4597-03	RED-1-1	VN084589.D	31 Oct 2024 00:34	pH#6.0 A	JC\MD	Ok
22	P4597-06	RED-1-2	VN084590.D	31 Oct 2024 00:57	pH#5.0 A	JC\MD	Ok,M
23	P4597-09	BLUE-2-1	VN084591.D	31 Oct 2024 01:21	pH#5.0 A	JC\MD	Ok
24	P4597-12	BLUE-2-2	VN084592.D	31 Oct 2024 01:45	pH#5.0 A	JC\MD	Ok,M
25	P4598-04	BP-F12	VN084593.D	31 Oct 2024 02:09	pH#7.0 A	JC\MD	Ok
26	P4598-08	BP-F11	VN084594.D	31 Oct 2024 02:33	pH#7.0 A	JC\MD	Ok
27	P4598-12	TP-8	VN084595.D	31 Oct 2024 02:57	pH#6.0 A	JC\MD	Ok
28	P4611-03	TP-1	VN084596.D	31 Oct 2024 03:21	pH#5.0 A	JC\MD	Ok
29	P4611-06	TP-2	VN084597.D	31 Oct 2024 03:45	pH#5.0 A	JC\MD	Ok
30	P4611-09	TP-3	VN084598.D	31 Oct 2024 04:09	pH#5.0 A	JC\MD	Ok
31	P4611-12	TP-4	VN084599.D	31 Oct 2024 04:33	pH#5.0 A	JC\MD	Ok
32	P4611-15	TP-5	VN084600.D	31 Oct 2024 04:57	pH#5.0 A	JC\MD	Ok
33	P4611-18	TP-6	VN084601.D	31 Oct 2024 05:21	pH#5.0 A	JC\MD	Ok
34	P4612-04	MOO-24-00335	VN084602.D	31 Oct 2024 05:45	pH#5.0 A	JC\MD	Ok
35	P4613-02	ARS20-0001	VN084603.D	31 Oct 2024 06:09	pH#5.0 A	JC\MD	Ok
36	PB164501ZHE#13	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	pH#5.0 A	JC\MD	Ok,M
37	PB164501ZHE#14	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	pH#5.0 A	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164501ZHE#15	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	pH#5.0 A	JC\MD	Ok,M
39	PB164501ZHE#16	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	pH#5.0 A	JC\MD	Ok
40	PB164501ZHE#17	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	pH#5.0 A	JC\MD	Ok,M
41	PB164501ZHE#18	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	pH#5.0 A	JC\MD	Ok,M
42	PB164501ZHE#19	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	pH#5.0 A	JC\MD	Ok,M
43	PB164501ZHE#20	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084814.D	13 Nov 2024 08:53		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084815.D	13 Nov 2024 09:52		JC\MD	Ok,M
3	VN1113MBL01	VN1113MBL01	VN084816.D	13 Nov 2024 10:26	Contaminated	JC\MD	Not Ok
4	VN1113WBL01	VN1113WBL01	VN084817.D	13 Nov 2024 10:50		JC\MD	Ok
5	VN1113MBL02	VN1113MBL02	VN084818.D	13 Nov 2024 11:13		JC\MD	Ok
6	VN1113MBS01	VN1113MBS01	VN084819.D	13 Nov 2024 11:37	BS failed low for comp. #93	JC\MD	Ok,M
7	P4793-01	M00-24-00345	VN084820.D	13 Nov 2024 12:01	Need 5X	JC\MD	Dilution
8	P4793-01DL	M00-24-00345DL	VN084821.D	13 Nov 2024 13:00		JC\MD	Ok
9	VN1113WBS01	VN1113WBS01	VN084822.D	13 Nov 2024 13:24		JC\MD	Ok,M
10	VN1113WBSD01	VN1113WBSD01	VN084823.D	13 Nov 2024 14:00		JC\MD	Ok,M
11	P4722-05	WC-1(0-6)	VN084824.D	13 Nov 2024 14:24	vial B pH#6.0	JC\MD	Ok
12	P4722-10	WC-2(0-6)	VN084825.D	13 Nov 2024 14:48	vial B pH#6.0	JC\MD	Ok
13	P4722-15	WC-3(0-6)	VN084826.D	13 Nov 2024 15:12	vial B pH#6.0	JC\MD	Ok
14	P4780-01	Storage-Blank-SOIL-RE	VN084827.D	13 Nov 2024 15:35	vial B pH<2	JC\MD	Ok
15	P4739-11DL	BP-B2-VOCDL	VN084828.D	13 Nov 2024 15:59		JC\MD	Ok
16	IBLK	IBLK	VN084829.D	13 Nov 2024 16:23		JC\MD	Ok
17	P4770-04	FIELD-BLANK	VN084830.D	13 Nov 2024 16:47	vial A pH<2 FB	JC\MD	Ok
18	P4780-04	Storage-Blank-SAMPLE	VN084831.D	13 Nov 2024 17:11	vial B pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4770-05	TRIP-BLANK	VN084832.D	13 Nov 2024 17:35	vial A pH<2 TB	JC\MD	Ok
20	P4780-02	Storage-Blank-WATER-	VN084833.D	13 Nov 2024 18:00	vial B pH<2	JC\MD	Ok
21	P4780-03	Storage-Blank-WATER-	VN084834.D	13 Nov 2024 18:23	vial B pH<2	JC\MD	Ok
22	P4791-02	HINCHMAN-OILY-WAT	VN084835.D	13 Nov 2024 18:47	vial B pH<2	JC\MD	Ok
23	P4792-04	MANHOLE-WASTE-DR	VN084836.D	13 Nov 2024 19:11	vial B pH<2	JC\MD	Ok
24	P4799-17	WC-TA1-03-G	VN084837.D	13 Nov 2024 19:35	vial B pH#5.0	JC\MD	Ok
25	P4732-05	PPE-GRAB	VN084838.D	13 Nov 2024 19:59	vial B pH#5.0	JC\MD	Ok
26	P4792-02	DIESLE-DRUM	VN084839.D	13 Nov 2024 20:23		JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN084840.D	13 Nov 2024 20:47		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111424

Review By	John Carlone	Review On	11/15/2024 10:01:35 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/15/2024 3:54:33 PM		
SubDirectory	VN111424	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131460
Initial Calibration Stds	
CCC	VP131461,VP131462
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084841.D	14 Nov 2024 08:53		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084842.D	14 Nov 2024 09:54	V13516	JC\MD	Ok,M
3	VN1114MBL01	VN1114MBL01	VN084843.D	14 Nov 2024 10:28		JC\MD	Ok
4	VN1114WBL01	VN1114WBL01	VN084844.D	14 Nov 2024 10:52		JC\MD	Ok
5	VN1114WBS01	VN1114WBS01	VN084845.D	14 Nov 2024 11:53	Recovery fail	JC\MD	Not Ok
6	VN1114WBS02	VN1114WBS02	VN084846.D	14 Nov 2024 12:50	BS high for com#69	JC\MD	Ok,M
7	VN1114WBSD02	VN1114WBSD02	VN084847.D	14 Nov 2024 13:24	BSD high for com#69	JC\MD	Ok,M
8	P4844-01	241113075-01-VOA	VN084848.D	14 Nov 2024 13:48	vial A pH#6.0 BS/BSD high	JC\MD	ReRun
9	IBLK	IBLK	VN084849.D	14 Nov 2024 14:12		JC\MD	Ok
10	P4844-02	241113050-06-TRIP-BL	VN084850.D	14 Nov 2024 14:36	vial A pH#6.0	JC\MD	Ok
11	P4718-05	TB-11042024	VN084851.D	14 Nov 2024 14:59	vial A pH<2 TB	JC\MD	Ok
12	P4819-01	1594	VN084852.D	14 Nov 2024 15:23	vial A pH#5.0	JC\MD	Ok
13	P4718-04	WB-307-SW	VN084853.D	14 Nov 2024 15:47	vial A pH<2	JC\MD	Ok
14	PB164945TB	PB164945TB	VN084854.D	14 Nov 2024 16:11		JC\MD	Ok
15	PB164927TB	PB164927TB	VN084855.D	14 Nov 2024 16:35		JC\MD	Ok
16	P4821-04	BP-F-24	VN084856.D	14 Nov 2024 16:59	vial A pH#5.0	JC\MD	Ok
17	P4821-08	BP-F-2	VN084857.D	14 Nov 2024 17:23	vial A pH#5.0	JC\MD	Ok
18	P4823-04	MH-4	VN084858.D	14 Nov 2024 17:47	vial A pH#5.0	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111424

Review By	John Carlone	Review On	11/15/2024 10:01:35 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/15/2024 3:54:33 PM		
SubDirectory	VN111424	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131460
Initial Calibration Stds	
CCC	VP131461,VP131462
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4833-04	MH-731	VN084859.D	14 Nov 2024 18:10	vial A pH#5.0	JC\MD	Ok
20	P4833-08	TP-2	VN084860.D	14 Nov 2024 18:34	vial A pH#5.0	JC\MD	Ok
21	P4770-01	MW-1	VN084861.D	14 Nov 2024 18:58	vial A pH<2 BS/BSD high	JC\MD	ReRun
22	P4770-02	MW-3	VN084862.D	14 Nov 2024 19:22	vial A pH<2 BS/BSD high	JC\MD	ReRun
23	P4770-03	MW-10	VN084863.D	14 Nov 2024 19:46	vial A pH<2	JC\MD	Ok
24	IBLK	IBLK	VN084864.D	14 Nov 2024 20:10		JC\MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VN084865.D	14 Nov 2024 20:34		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084934.D	19 Nov 2024 08:15		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084935.D	19 Nov 2024 09:27		JC\MD	Ok,M
3	VN1119MBL01	VN1119MBL01	VN084936.D	19 Nov 2024 10:43		JC\MD	Ok
4	VN1119WBL01	VN1119WBL01	VN084937.D	19 Nov 2024 11:07		JC\MD	Ok
5	VN1119WBS01	VN1119WBS01	VN084938.D	19 Nov 2024 11:40		JC\MD	Ok,M
6	VN1119WBSD01	VN1119WBSD01	VN084939.D	19 Nov 2024 12:04		JC\MD	Ok,M
7	P4770-01	MW-1	VN084940.D	19 Nov 2024 12:28	Need 2500X	JC\MD	Dilution
8	P4770-02	MW-3	VN084941.D	19 Nov 2024 12:52	vial B pH<2	JC\MD	Ok
9	P4845-01DL	FSND-MW-27-2024111	VN084942.D	19 Nov 2024 13:17	vial B pH<2	JC\MD	Ok,M
10	P4845-04DL	FSND-MW-22R-202411	VN084943.D	19 Nov 2024 13:41	vial B pH<2	JC\MD	Ok
11	P4845-11DL	FSND-MW-33-2024111	VN084944.D	19 Nov 2024 14:05	vial B pH<2	JC\MD	Ok
12	P4845-19DL	FSND-GEP-2-20241111	VN084945.D	19 Nov 2024 14:29	vial B pH<2	JC\MD	Ok
13	P4845-09	FSND-RB-1-20241111	VN084946.D	19 Nov 2024 14:53	vial B pH<2	JC\MD	Ok
14	P4845-02	FSND-MW-B-3-202411	VN084947.D	19 Nov 2024 15:15	vial B pH<2	JC\MD	Ok
15	P4848-02	TP-1	VN084948.D	19 Nov 2024 15:40	vial B pH#5.0	JC\MD	Ok
16	P4871-01DL	WC-10-A-202411DL	VN084949.D	19 Nov 2024 16:04	vial B pH#5.0	JC\MD	Ok
17	P4845-16	FSND-MW-DUP-01-202	VN084950.D	19 Nov 2024 16:28	vial B pH<2	JC\MD	Ok
18	P4845-20	FSND-MW-14-2024111	VN084951.D	19 Nov 2024 16:52	vial B pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4843-01	SW-WTS-01	VN084952.D	19 Nov 2024 17:16	vial B pH<2	JC\MD	Ok
20	P4845-08	FSND-MW-35-2024111	VN084953.D	19 Nov 2024 17:40	vial B pH<2	JC\MD	Ok
21	P4845-15	FSND-MW-12R-202411	VN084954.D	19 Nov 2024 18:04	vial B pH<2	JC\MD	Ok
22	P4849-02	RR-1	VN084955.D	19 Nov 2024 18:28	vial B pH#5.0	JC\MD	Ok
23	P4844-01	241113075-01-VOA	VN084956.D	19 Nov 2024 18:52	vial C pH#6.0	JC\MD	Ok
24	IBLK	IBLK	VN084957.D	19 Nov 2024 19:16		JC\MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VN084958.D	19 Nov 2024 19:40		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084959.D	20 Nov 2024 09:51		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084960.D	20 Nov 2024 11:18		JC\MD	Ok,M
3	VN1120MBL01	VN1120MBL01	VN084961.D	20 Nov 2024 11:57	not needed	JC\MD	Not Ok
4	VN1120WBL01	VN1120WBL01	VN084962.D	20 Nov 2024 12:21		JC\MD	Ok
5	VN1120WBS01	VN1120WBS01	VN084963.D	20 Nov 2024 12:45	recovery low	JC\MD	Not Ok
6	VN1120WBS02	VN1120WBS02	VN084964.D	20 Nov 2024 13:20		JC\MD	Ok,M
7	P4864-01	MONTCLAIR-TOTE-2	VN084965.D	20 Nov 2024 13:44	vial A pH<2	JC\MD	Ok
8	PB165108TB	PB165108TB	VN084966.D	20 Nov 2024 14:08		JC\MD	Ok
9	PB165122TB	PB165122TB	VN084967.D	20 Nov 2024 14:33		JC\MD	Ok
10	P4770-01	MW-1	VN084968.D	20 Nov 2024 14:57	Not Required	JC\MD	Not Ok
11	P4845-12	FSND-MW-31-2024111	VN084969.D	20 Nov 2024 15:21		JC\MD	Ok
12	VN1120WBSD02	VN1120WBSD02	VN084970.D	20 Nov 2024 15:45	Recovery fail	JC\MD	Not Ok
13	P4893-04	MH-763	VN084971.D	20 Nov 2024 16:09		JC\MD	Ok
14	P4893-08	MH-762	VN084972.D	20 Nov 2024 16:34		JC\MD	Ok
15	P4910-04	MH-COTTAGE	VN084973.D	20 Nov 2024 16:58		JC\MD	Ok,M
16	P4910-08	MH-759	VN084974.D	20 Nov 2024 17:22		JC\MD	Ok,M
17	P4916-04	TP-1-WC	VN084975.D	20 Nov 2024 17:46		JC\MD	Ok,M
18	P4916-08	TP-2-WC	VN084976.D	20 Nov 2024 18:10		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4916-12	TP-3-WC	VN084977.D	20 Nov 2024 18:34		JC\MD	Ok,M
20	P4924-04	MH-4	VN084978.D	20 Nov 2024 18:58		JC\MD	Ok,M
21	P4925-04	MH-741	VN084979.D	20 Nov 2024 19:22		JC\MD	Ok,M
22	P4925-08	MH-741	VN084980.D	20 Nov 2024 19:46		JC\MD	Ok,M
23	P4921-01	WC-11-A-202411	VN084981.D	20 Nov 2024 20:10		JC\MD	Ok
24	VN1120WBSD02	VN1120WBSD02	VN084982.D	20 Nov 2024 20:34		JC\MD	Ok,M
25	P4770-01	MW-1	VN084983.D	20 Nov 2024 20:58		JC\MD	Ok
26	P4892-04	WB-310-SW	VN084984.D	20 Nov 2024 21:22		JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN084985.D	20 Nov 2024 21:46		JC\MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. / QUOTE NO. P4770
COC Number 2042270

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: M² ASSOC Sales Inc.
ADDRESS: 56 Country Acres Dr.
CITY Hampton STATE: NJ ZIP: 08827
ATTENTION: Matt McHall
PHONE: 908-238-0827 FAX: 908-238-0830

CLIENT PROJECT INFORMATION

PROJECT NAME: 143 Red Lion Rd
PROJECT NO.: — LOCATION: Vincentown
PROJECT MANAGER: Matt McHall
e-mail: M2-gw@comcast.net
PHONE: 908-238-0827 FAX: 908-238-0830

CLIENT BILLING INFORMATION

BILL TO: Same PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE) Standard DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other _____
- ☑ EDD FORMAT NJ Hazsite

ANALYSIS

VOCs + MTBE + TBA

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A (1)	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-1	H2O		✓	11/7	12:10	2	X									
2.	MW-3			✓		11:55	2	X									
3.	MW-10			✓		11:05	2	X									
4.	Field Blank			✓		12:05	2	X									
5.	Trip Blank			✓				X									
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	11-7-24 15:06	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments: MW-1 & MW-3 - Strong residual odors.

Page ____ of ____
CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4770 M2AS01
Client Name : M2 Associates
Client Contact : Matt Mulhall
Invoice Name : M2 Associates
Invoice Contact : Matt Mulhall

Order Date : 11/7/2024 3:07:00 PM
Project Name : 143 Red Lion Rd Southamp
Receive DateTime : 11/7/2024 3:00:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4770-01	MW-1	Water	11/07/2024	12:10					
					VOCMS Group2		8260-Low		10 Bus. Days
P4770-02	MW-3	Water	11/07/2024	11:55					
					VOCMS Group2		8260-Low		10 Bus. Days
P4770-03	MW-10	Water	11/07/2024	11:05					
					VOCMS Group2		8260-Low		10 Bus. Days
P4770-04	FIELD-BLANK	Water	11/07/2024	12:15					
					VOCMS Group2		8260-Low		10 Bus. Days
P4770-05	TRIP-BLANK	Water	11/07/2024	00:00					
					VOCMS Group2		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 11/7/24 1615

Received By : Roman
Date / Time : 11/07/24 4:35

Storage Area : VOA Refridgerator Room